MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features
- Gully
- Short Steep Slope
- Other

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- Cities

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- Oceans
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads

MAP INFORMATION

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Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 14N NAD83

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Soil Survey Area: Bexar County, Texas
Survey Area Data: Version 12, Oct 26, 2009

Date(s) aerial images were photographed: 1/7/1995; 1/6/1995

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Map Unit Legend

Bexar County, Texas (TX029)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
AuB	Austin silty clay, 1 to 3 percent slopes	113.9	3.2%
AuC	Austin silty clay, 3 to 5 percent slopes	233.1	6.6%
BrD	Brackett gravelly clay loam, 5 to 12 percent slopes	6.4	0.2%
BsC	Whitewright-Austin complex, 1 to 5 percent slopes	150.7	4.3%
HnC2	Heiden clay, 3 to 5 percent slopes, eroded	46.1	1.3%
HoD3	Heiden-Ferris complex, 5 to 10 percent slopes, severely eroded	78.5	2.2%
HsB	Houston Black clay, 1 to 3 percent slopes	30.1	0.9%
HsC	Houston Black clay, 3 to 5 percent slopes	10.8	0.3%
HtA	Branyon clay, 0 to 1 percent slopes	749.5	21.3%
HtB	Branyon clay, 1 to 3 percent slopes	55.2	1.6%
LvA	Lewisville silty clay, 0 to 1 percent slopes	560.3	15.9%
LvB	Lewisville silty clay, 1 to 3 percent slopes	616.1	17.5%
PaB	Patrick soils, 1 to 3 percent slopes, rarely flooded	490.9	13.9%
PaC	Patrick soils, 3 to 5 percent slopes, rarely flooded	30.0	0.9%
Pt	Pits and Quarries, 1 to 90 percent slopes	121.4	3.4%
TaB	Eckrant cobbly clay, 1 to 5 percent slopes	39.3	1.1%
Tf	Tinn and Frio soils, 0 to 1 percent slopes, frequently flooded	194.3	5.5%
Totals for Area of Interest		**3,526.5**	**100.0%**

San Antonio International Airport – Soil Table

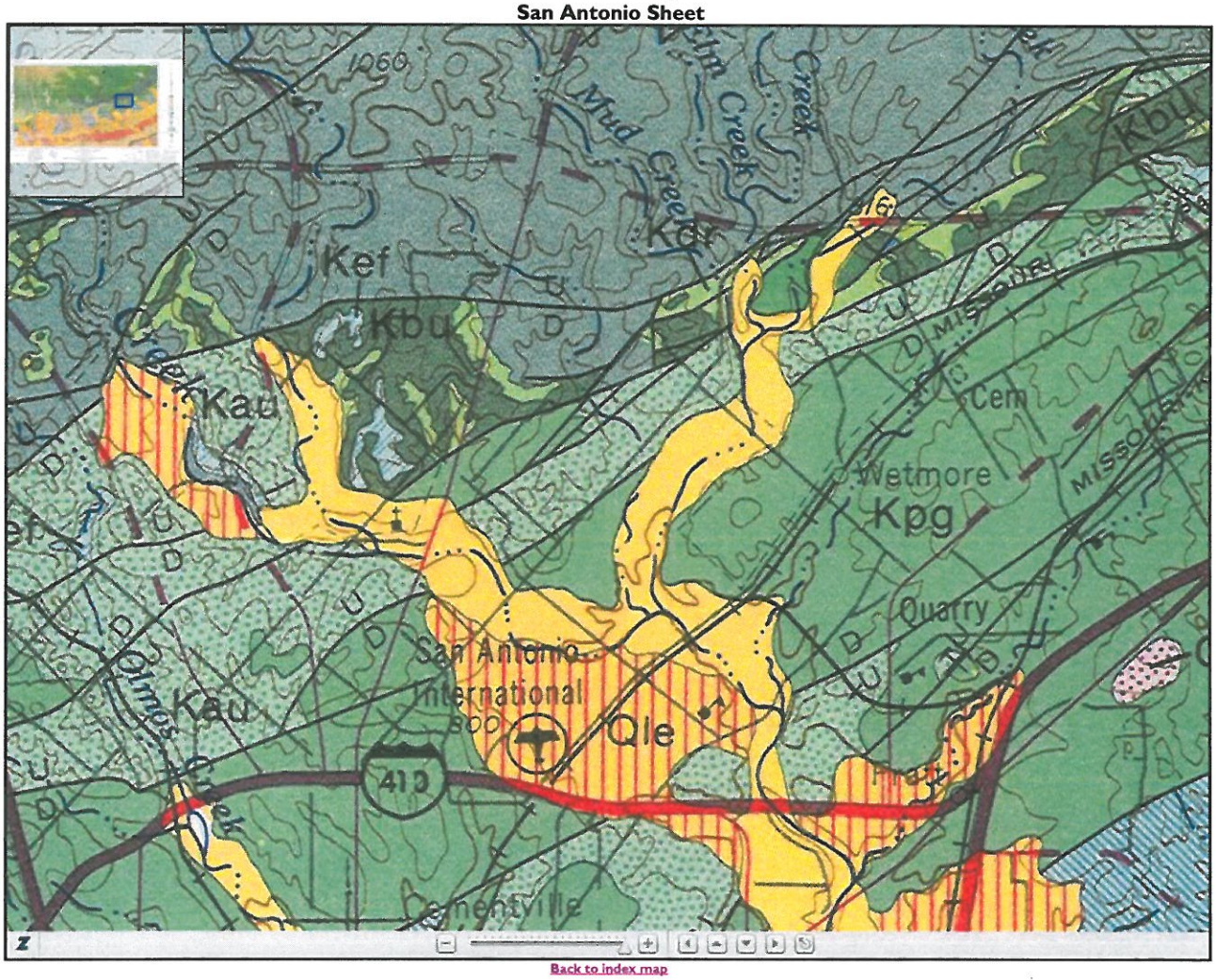
Soil	Symbol	Landform	Slope	Depth to restrictive feature	Drainage class	Depth to water table	Frequency of flooding	Frequency of ponding	Available water capacity	Typical profile
Austin Silty Clay	AuB	Ridges	1-3%	24-43" to paralithic bedrock	Well drained	> 80"	None	None	Moderate	0–28": silty clay 28–42": silty clay 42–72": Bedrock
Austin Silty Clay	AuC	Ridges	3-5%	24-40" to paralithic bedrock	Well drained	> 80"	None	None	Low	0-16": Silty clay 16-30": Silty clay 30-72": Bedrock
Whitewright-Austin complex (Whitewright)	BsC	Ridges	1-5%	10-20" to paralithic bedrock	Well drained	> 80"	None	None	Very Low	0-6": Clay loam 6-15": Silty clay 15-20": Bedrock
Whitewright-Austin complex (Austin)	BsC	Ridges	1-5%	24-43" to paralithic bedrock	Well drained	> 80"	None	None	Moderate	0-28": Silty clay 28-42": Silty clay 42-72": Bedrock
Brackett gravelly clay loam	BrD	Ridges	5-12%	6-20" to paralithic bedrock	Well drained	> 80"	None	None	Very Low	0-4": Gravelly clay loam 4-12": Gravelly clay loam 12-30": Bedrock
Heiden clay, eroded	HnC2	Ridges	3-5%	> 80"	Well drained	> 80"	None	None	Moderate	0-14": Clay 14-25": Clay 25-62": Clay
Heiden-Ferris complex, severely eroded (Heiden)	HoD3	Ridges	5-10%	> 80"	Well drained	> 80"	None	None	Moderate	0-14": Clay 14-25": Clay 25-62": Clay 62-80": Clay
Heiden-Ferris complex, severely eroded (Ferris)	HoD3	Ridges	5-10%	40-60" to densic bedrock	Well drained	> 80"	None	None	Moderate	0-8": Clay 8-40": Clay 40-84": Clay
Houston Black Clay	HsB	Ridges	1-3%	> 80"	Moderately well drained	> 80"	None	None	Moderate	0-8": Clay 8-38": Clay
Houston Black Clay	HsC	Ridges	3-5%	> 80"	Moderately well drained	> 80"	None	None	Moderate	0-8": Clay 8-38": Clay 38-62": Clay
Branyon Clay	HtA	Stream Terraces	0-1%	> 80"	Moderately well drained	> 80"	None	None	Moderate	0-8": Clay 8-40": Clay 40-62": Clay

San Antonio International Airport – Soil Table

Soil	Symbol	Landform	Slope	Depth to restrictive feature	Drainage class	Depth to water table	Frequency of flooding	Frequency of ponding	Available water capacity	Typical profile
Branyon Clay	HtB	Stream Terraces	1-3%	>80"	Moderately Well drained	> 80"	None	None	Moderate	0-8": Clay 8-34": Clay 34-60": Clay
Lewisville Silty Clay	LvA	Stream Terraces	0-1%	> 80"	Well drained	> 80"	None	None	High	0-6": Silty clay 6-44": Silty clay 44-62": Silty clay
Lewisville Silty Clay	LvB	Stream Terraces	1-3%	> 80"	Well drained	> 80"	None	None	High	0-6": Silty clay 6-44": Silty clay 44-62": Silty clay
Patrick soils, rarely flooded	PaB	Paleo-terraces	1-3%	> 80"	Well drained	> 80"	Rare	None	Low	0-17": Clay loam 17-60": Very gravelly sand
Patrick soils, rarely flooded	PaC	Paleo-terraces	3-5%	> 80"	Well drained	> 80"	Rare	None	Low	0-17": Gravelly clay loam 17-60": Very gravelly sand
Pits and Quarries	Pt	Pits	1-90%	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	0-80": Variable
Eckrant Cobbley Clay	TaB	Ridges	1-5%	8-20" to lithic bedrock	Well drained	> 80"	None	None	Very Low	0-10": Cobbly clay 10-18": Extremely stoney clay loam 18-25": Bedrock
Tinn and Frio soils, frequently flooded (Tinn)	Tf	Flood plains	0-1%	> 80"	Moderately well drained	> 80"	Frequent	None	High	0-8": Clay 8-65": Clay 65-80": Clay
Tinn and Frio soils, frequently flooded (Frio)	Tf	Flood plains	0-1%	> 80"	Well drained	> 80"	Frequent	None	High	0-30": Silty clay loam 30-50": Silty clay loam 50-80": Clay loam

Texas Water Development Board

San Antonio Sheet



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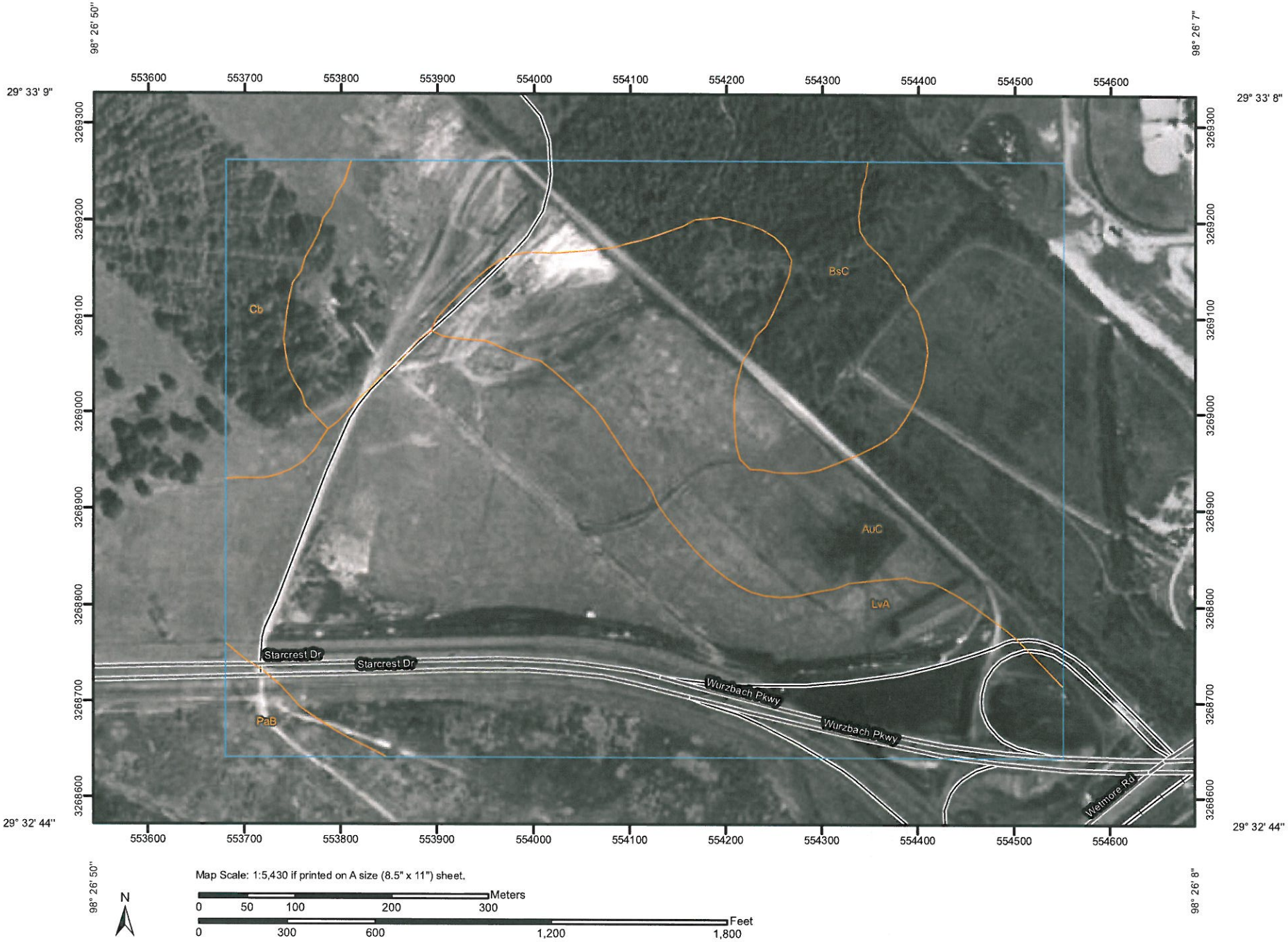
San Antonio International Airport – Geology Table

Formation Name	Symbol	Age	Description	Primary Rock Type	Secondary Rock Type	Tertiary Rock Type
Leona Formation	Qle	Phanerozoic | Cenozoic | Quaternary | Pleistocene	Fluvatile terrace deposits of gravel, sand, silt and clay on first wide terrace of Nueces and Leona Rivers below the level of the Uvalde Formation.	Sand	Gravel	Clay or mud
Fluviatile Terrace Deposits	Qt	Phanerozoic | Cenozoic | Quaternary | Pleistocene Holocene	Sand, silt, clay, and gravel in various proportions, with gravel more prodominent in older, higher terrace deposits. Locally indurated with calcium carbonate (caliche) in terraces along streams. Along Colorado River clasts mostly limestone, chert, quartz, and various igneous and metamorphic rocks from Llano region and Edwards Plateau. Includes point bar, natural levee, stream channel deposits along valley walls; probably in large part correlatives of Deweyville, Beaumont, Lissie, and Willis deposits. In upland regions (Rolling Plains, Edwards Plateau, etc.) unit includes fluvial terrace deposits, undivided. Light-brown, reddish-brown, gray, or yellowish brown, gravelly quartz and lithic sand and silt to sandy gravel (Moore and Wermund, 1993). Deposits become increasingly fine grained on Coastal and Nueces Plains. Locally, calcium carbonate-cemented quartz sand, silt, clay, and gravel intermixed and interbedded. Low terraces of major rivers are capped by 2-4 m of clayey sand and silt. Sandy gravel on higher terraces varies somewhat in composition from river to river.	Terrace	Sand	Gravel, silt, clay or mud
Pecan Gap Chalk	Kpg	Phanerozoic | Mesozoic | Cretaceous-Late [Gulfian]	In East Texas and Gulf Coast to Rio Grande- Sherman Sheet (1967) in Collin County, upper 45 ft limestone in alternating intervals of soft, light to med. olive-gray lime sand and hard, granular, dark bluish-gray limestone, glauconitic with most of it in limesand, phosphate pebbles throughout, thin to very thin beds, limesand minutely cross-bedded; marine megafossils abundant; southward limesand replaced by calcar, silty clay; grades east in Hunt Co. and beyond to chalk. Thickness 50-70 ft. In north, central, and south Texas including Quaternary for all of west Texas- chalk and chalky marl, v. lt. yell to yell-brn, Exogyra ponderosa common; thickness 100-400 ft thick on San Antonio Sheet (1974).	Limestone	Sand	Clay or mud; limestone

Soil Map—Bexar County, Texas



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Coordinate System: UTM Zone 14N NAD83

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Soil Survey Area: Bexar County, Texas
Survey Area Data: Version 12, Oct 26, 2009

Date(s) aerial images were photographed: 1/6/1995

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Map Unit Legend

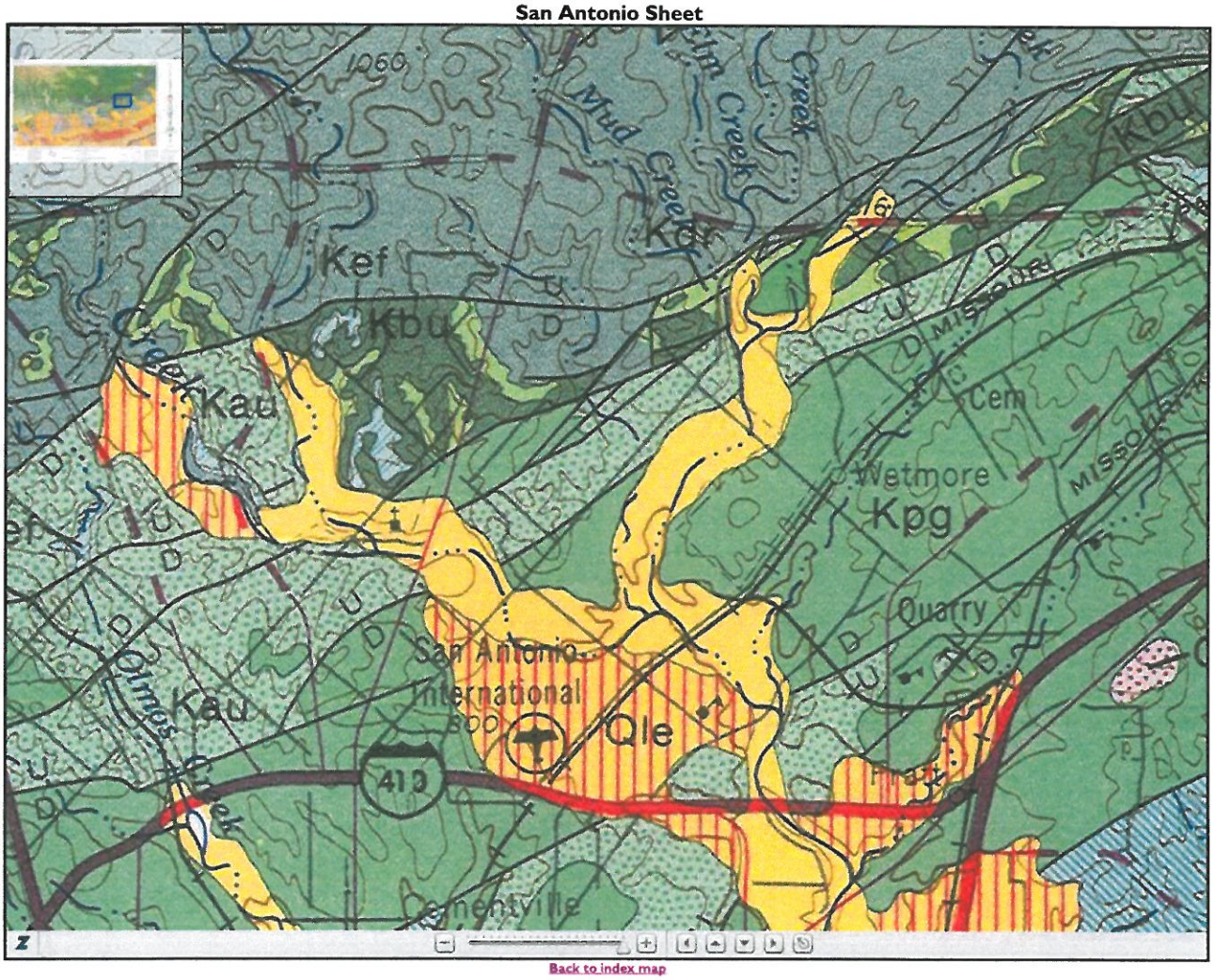
Bexar County, Texas (TX029)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
AuC	Austin silty clay, 3 to 5 percent slopes	41.5	31.0%
BsC	Whitewright-Austin complex, 1 to 5 percent slopes	26.4	19.7%
Cb	Crawford and Bexar stony soils	6.9	5.2%
LvA	Lewisville silty clay, 0 to 1 percent slopes	56.6	42.4%
PaB	Patrick soils, 1 to 3 percent slopes, rarely flooded	2.2	1.7%
Totals for Area of Interest		**133.7**	**100.0%**

Buckhorn – Soil Table

Soil	Symbol	Landform	Slope	Depth to restrictive feature	Drainage class	Depth to water table	Frequency of flooding	Frequency of ponding	Available water capacity	Typical profile
Austin Silty Clay	AuC	Ridges	3-5%	24-40" to paralithic bedrock	Well drained	> 80"	None	None	Low	0-16": Silty clay 16-30": Silty clay 30-72": Bedrock
Whitewright-Austin complex (Whitewright)	BsC	Ridges	1-5%	10-20" to paralithic bedrock	Well drained	> 80"	None	None	Very Low	0-6": Clay loam 6-15": Silty clay 15-20": Bedrock
Whitewright-Austin complex (Austin)	BsC	Ridges	1-5%	24-43" to paralithic bedrock	Well drained	> 80"	None	None	Moderate	0-28": Silty clay 28-42": Silty clay 42-72": Bedrock
Crawford and Bexar stony soils (Crawford)	Cb	Plains	0-3%	20-40" to lithic bedrock	Well drained	> 80"	None	None	Low	0-8": Stony clay 8-34": Stony clay 34-50": Bedrock
Crawford and Bexar stony soils (Bexar)	Cb	Plains	0-5%	20-40" to lithic bedrock	Well drained	> 80"	None	None	Low	0-18": Cobbly clay loam 18-27": Cobbly clay 27-32": Bedrock
Lewisville Silty Clay	LvA	Stream Terraces	0-1%	> 80"	Well drained	> 80"	None	None	High	0-6": Silty clay 6-44": Silty clay 44-62": Silty clay
Patrick soils, rarely flooded	PaB	Paleo-terraces	1-3%	> 80"	Well drained	> 80"	Rare	None	Low	0-17": Clay loam 17-60": Very gravelly sand

Texas Water Development Board

San Antonio Sheet



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Buckhorn – Geology Table

Formation Name	Symbol	Age	Description	Primary Rock Type	Secondary Rock Type	Tertiary Rock Type
Fluviatile Terrace Deposits	Qt	Phanerozoic | Cenozoic | Quaternary | Pleistocene Holocene	Sand, silt, clay, and gravel in various proportions, with gravel more prodominent in older, higher terrace deposits. Locally indurated with calcium carbonate (caliche) in terraces along streams. Along Colorado River clasts mostly limestone, chert, quartz, and various igneous and metamorphic rocks from Llano region and Edwards Plateau. Includes point bar, natural levee, stream channel deposits along valley walls; probably in large part correlatives of Deweyville, Beaumont, Lissie, and Willis deposits. In upland regions (Rolling Plains, Edwards Plateau, etc.) unit includes fluvial terrace deposits, undivided. Light-brown, reddish-brown, gray, or yellowish brown, gravelly quartz and lithic sand and silt to sandy gravel (Moore and Wermund, 1993). Deposits become increasingly fine grained on Coastal and Nueces Plains. Locally, calcium carbonate-cemented quartz sand, silt, clay, and gravel intermixed and interbedded. Low terraces of major rivers are capped by 2-4 m of clayey sand and silt. Sandy gravel on higher terraces varies somewhat in composition from river to river.	Terrace	Sand	Gravel, silt, clay or mud
Pecan Gap Chalk	Kpg	Phanerozoic | Mesozoic | Cretaceous-Late [Gulfian]	In East Texas and Gulf Coast to Rio Grande- Sherman Sheet (1967) in Collin County, upper 45 ft limestone in alternating intervals of soft, light to med. olive-gray lime sand and hard, granular, dark bluish-gray limestone, glauconitic with most of it in limesand, phosphate pebbles throughout, thin to very thin beds, limesand minutely cross-bedded; marine megafossils abundant; southward limesand replaced by calcar, silty clay; grades east in Hunt Co. and beyond to chalk. Thickness 50-70 ft. In north, central, and south Texas including Quaternary for all of west Texas- chalk and chalky marl, v. lt. yell to yell-brn, Exogyra ponderosa common; thickness 100-400 ft thick on San Antonio Sheet (1974).	Limestone	Sand	Clay or mud; limestone

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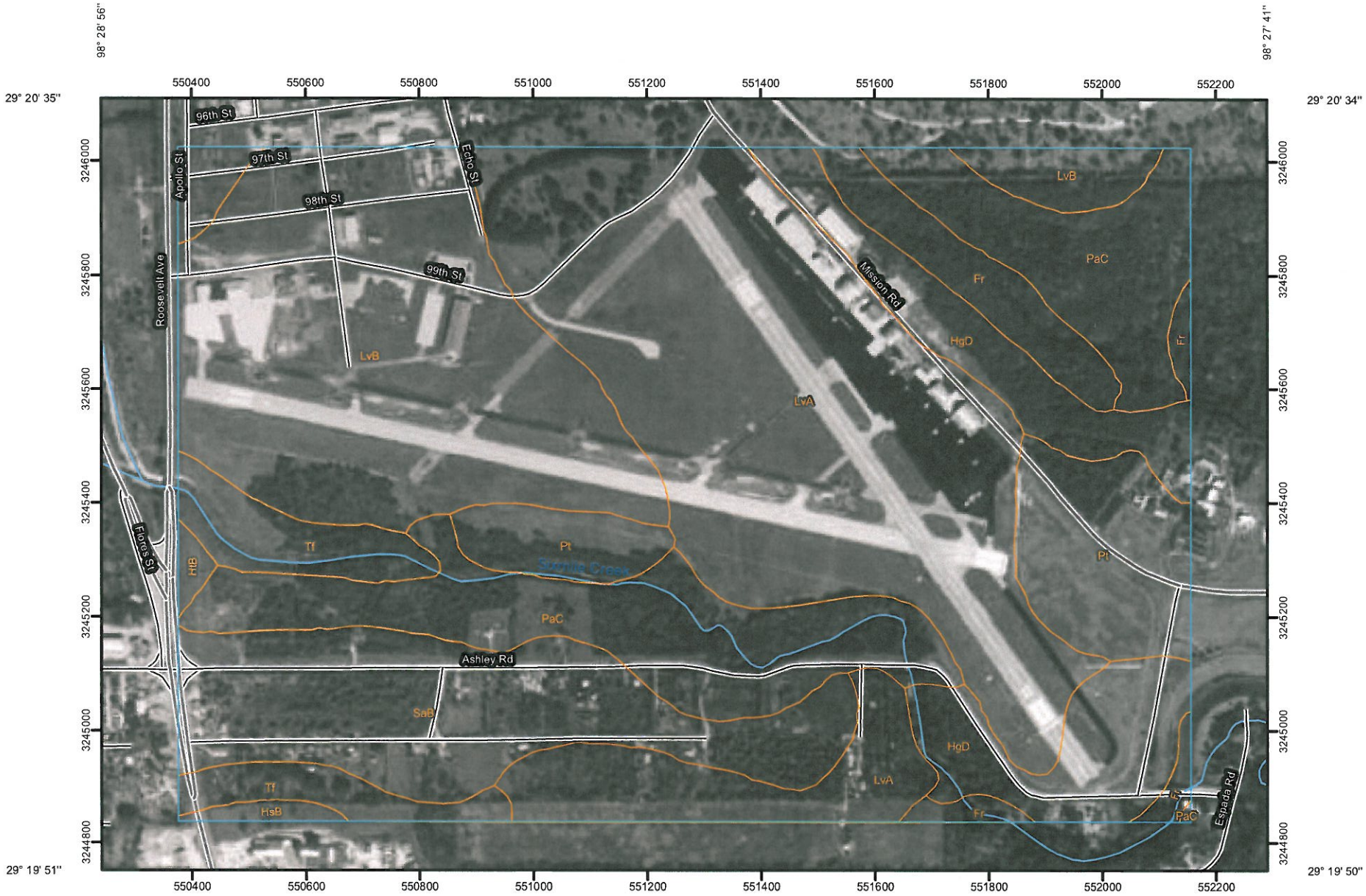

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Map Unit Legend

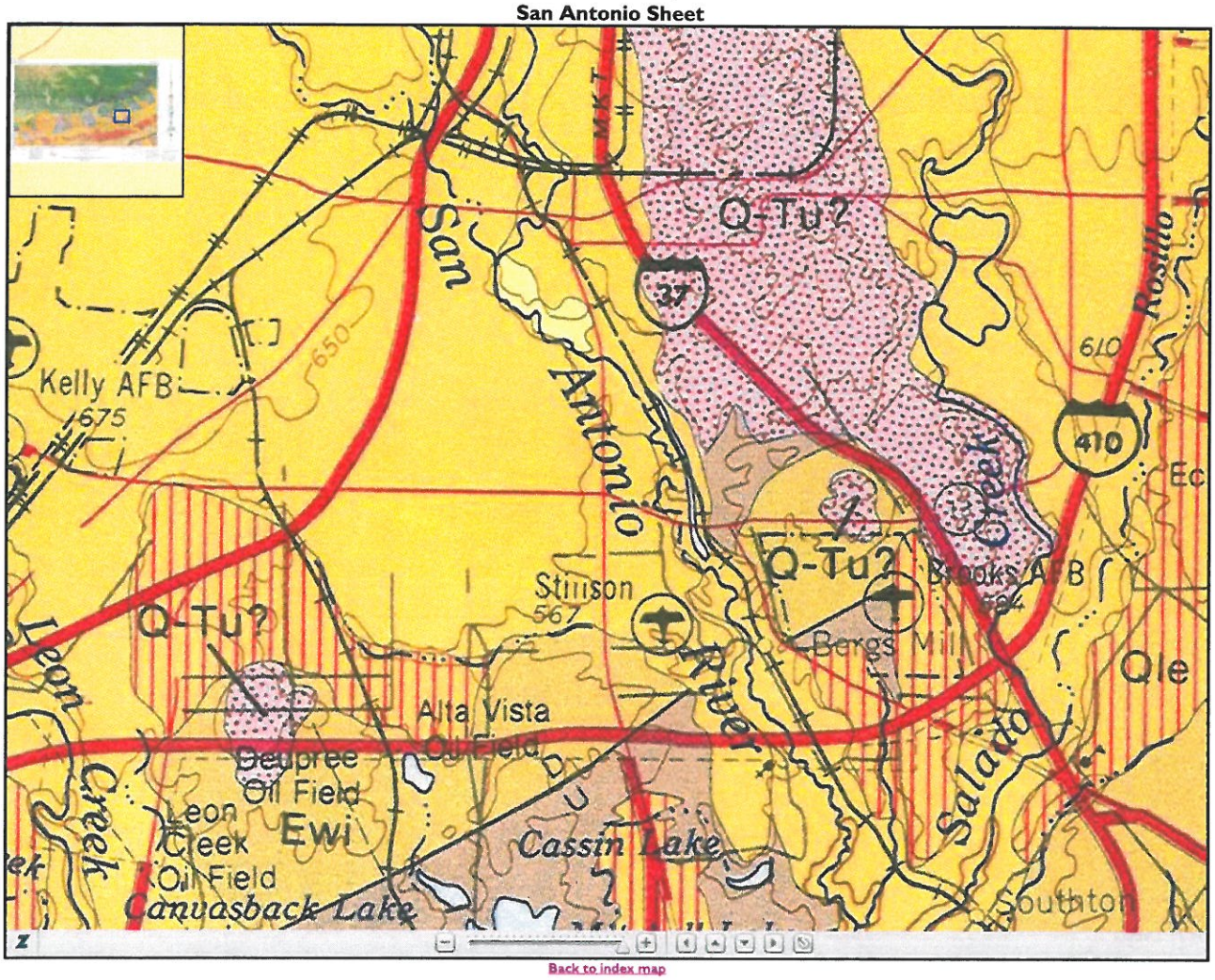
Bexar County, Texas (TX029)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
Fr	Loire clay loam, 0 to 2 percent slopes, occasionally flooded	19.1	3.7%
HgD	Rock outcrop-Olmos complex, 5 to 25 percent slopes	43.3	8.3%
HsB	Houston Black clay, 1 to 3 percent slopes	2.1	0.4%
HtB	Branyon clay, 1 to 3 percent slopes	1.6	0.3%
LvA	Lewisville silty clay, 0 to 1 percent slopes	161.2	30.8%
LvB	Lewisville silty clay, 1 to 3 percent slopes	107.8	20.6%
PaC	Patrick soils, 3 to 5 percent slopes, rarely flooded	74.5	14.3%
Pt	Pits and Quarries, 1 to 90 percent slopes	34.7	6.6%
SaB	San Antonio clay loam, 1 to 3 percent slopes	57.9	11.1%
Tf	Tinn and Frio soils, 0 to 1 percent slopes, frequently flooded	20.6	3.9%
Totals for Area of Interest		**522.7**	**100.0%**

Stinson Municipal Airport – Soil Table

Soil	Symbol	Landform	Slope	Depth to restrictive feature	Drainage class	Depth to water table	Frequency of flooding	Frequency of ponding	Available water capacity	Typical profile
Loire Clay Loam, occasionally flooded	Fr	Flood plain	0-2%	> 80"	Well drained	> 80"	Occasionally	None	High	0-25": Clay loam 25-35": Clay loam 35-56": Loam 56-80": Fine sandy loam
Rock Outcrop – Olmos Complex (Rock Outcrop)	HgD	Rock outcrop	5-25%	0-2" to lithic bedrock	Not listed	Not listed	Not listed	Not listed	Moderately low to very high	0-80": Bedrock
Rock Outcrop-Olmos Complex (Olmos)	HgD	Ridges	5-25%	4-20" to petrocalcic	Well drained	> 80"	None	None	Very low	0-14": Very gravelly loam 14-18": Cemented material 18-60": Gravelly loam
Houston Black Clay	HsB	Ridges	1-3%	> 80"	Moderately well drained	> 80"	None	None	Moderate	0-8": Clay 8-38": Clay
Branyon Clay	HtB	Stream Terraces	1-3%	>80"	Moderately Well drained	> 80"	None	None	Moderate	0-8": Clay 8-34": Clay 34-60": Clay
Lewisville Silty Clay	LvA	Stream Terraces	0-1%	> 80"	Well drained	> 80"	None	None	High	0-6": Silty clay 6-44": Silty clay 44-62": Silty clay
Lewisville Silty Clay	LvB	Stream Terraces	1-3%	> 80"	Well drained	> 80"	None	None	High	0-6": Silty clay 6-44": Silty clay 44-62": Silty clay
Patrick soils, rarely flooded	PaC	Paleo-terraces	3-5%	> 80"	Well drained	> 80"	Rare	None	Low	0-17": Gravelly clay loam 17-60": Very gravelly sand
Pits and Quarries	Pt	Pits	1-90%	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	0-80": Variable
San Antonio clay loam	SaB	Stream Terraces	1-3%	> 80"	Moderately low to moderately high	> 80"	None	None	High	0-10": Clay loam 10-38": Clay 38-60": Clay loam
Tinn and Frio soils, frequently flooded (Tinn)	Tf	Flood plains	0-1%	> 80"	Moderately well drained	> 80"	Frequent	None	High	0-8": Clay 8-65": Clay 65-80": Clay
Tinn and Frio soils, frequently flooded (Frio)	Tf	Flood plains	0-1%	> 80"	Well drained	> 80"	Frequent	None	High	0-30": Silty clay loam 30-50": Silty clay loam 50-80": Clay loam

Texas Water Development Board

San Antonio Sheet



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Stinson Municipal Airport – Geology Table

Formation Name	Symbol	Age	Description	Primary Rock Type	Secondary Rock Type	Tertiary Rock Type
Fluviatile Terrace Deposits	Qt	Phanerozoic | Cenozoic | Quaternary | Pleistocene Holocene	Sand, silt, clay, and gravel in various proportions, with gravel more prodominent in older, higher terrace deposits. Locally indurated with calcium carbonate (caliche) in terraces along streams. Along Colorado River clasts mostly limestone, chert, quartz, and various igneous and metamorphic rocks from Llano region and Edwards Plateau. Includes point bar, natural levee, stream channel deposits along valley walls; probably in large part correlatives of Deweyville, Beaumont, Lissie, and Willis deposits. In upland regions (Rolling Plains, Edwards Plateau, etc.) unit includes fluvial terrace deposits, undivided. Light-brown, reddish-brown, gray, or yellowish brown, gravelly quartz and lithic sand and silt to sandy gravel (Moore and Wermund, 1993). Deposits become increasingly fine grained on Coastal and Nueces Plains. Locally, calcium carbonate-cemented quartz sand, silt, clay, and gravel intermixed and interbedded. Low terraces of major rivers are capped by 2-4 m of clayey sand and silt. Sandy gravel on higher terraces varies somewhat in composition from river to river.	Terrace	Sand	Gravel, silt, clay or mud

Appendix B

COC Acceptable Concentration Limits

Table 1

Tier 1 Residential Soil PCLs[1]

May 24, 2011

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note 3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)
Acenaphthene	83-32-9	3.0E+03	n	2.4E+02	n	2.4E+04	n >S						3.0E+03	n	1.2E+02	n	1.2E+04	n >S					
Acenaphthylene	208-96-8	3.8E+03	n	4.1E+02	n	4.1E+04	n >S						3.8E+03	n	2.0E+02	n	2.0E+04	n >S					
Acetaldehyde	75-07-0	1.4E+02	n	5.0E+00	n	5.0E+02	n	1.4E+02	n	4.8E+03	n		7.3E+01	n	2.5E+00	n	2.5E+02	n	7.4E+01	n	3.1E+02	n	
Acetate, 2-ethoxyethanol	111-15-9	3.5E+03	n	5.3E+00	n	5.3E+02	n	6.0E+03	n	9.8E+05	n >S		2.3E+03	n	2.7E+00	n	2.7E+02	n	3.1E+03	n	6.3E+04	n	
Acetate, isoamyl	123-92-2	5.9E+03	n	8.7E+00	n	8.7E+02	n						5.9E+03	n	4.4E+00	n	4.4E+02	n					
Acetate, isobutyl	110-19-0	3.9E+03	n	3.7E+00	n	3.7E+02	n						3.9E+03	n	1.8E+00	n	1.8E+02	n					
Acetate, sec-butyl	105-46-4	3.9E+03	n	4.0E+00	n	4.0E+02	n						3.9E+03	n	2.0E+00	n	2.0E+02	n					
Acetic acid*	64-19-7																						
Acetone (2-propanone)	67-64-1	6.6E+04	n	4.3E+01	n	4.3E+03	n	6.0E+05	n	1.0E+06	n >S		5.9E+04	n	2.1E+01	n	2.1E+03	n	3.1E+05	n	1.0E+06	n >S	
Acetone cyanohydrin	75-86-5	1.9E+02	n	1.4E-01	n	1.4E+01	n	4.3E+03	n	6.6E+05	n		1.8E+02	n	7.1E-02	n	7.1E+00	n	2.2E+03	n	4.3E+04	n	
Acetonitrile	75-05-8	8.7E+02	n	1.5E+00	n	1.5E+02	n	1.3E+03	n	6.2E+04	n		5.3E+02	n	7.6E-01	n	7.6E+01	n	6.7E+02	n	4.0E+03	n	
Acetophenone	98-86-2	6.7E+03	n	8.2E+00	n	8.2E+02	n						6.7E+03	n	4.1E+00	n	4.1E+02	n					
Acetylaminofluorene, 2-	53-96-3	1.2E+00	c	4.5E-03	c	4.5E-01	c	1.9E+01	c	1.2E+04	c >S		1.1E+00	c	2.3E-03	c	2.3E-01	c	9.5E+00	c	9.9E+02	c >S	
Acifluorfen, sodium	62476-59-9	8.7E+02	n	2.0E+00	n	2.0E+02	n						8.7E+02	n	1.0E+00	n	1.0E+02	n					
Acridine	260-94-6	2.0E+02	n	7.5E+00	n	7.5E+02	n						2.0E+02	n	3.8E+00	n	3.8E+02	n					
Acrolein	107-02-8	1.7E+01	n	2.4E-02	n	2.4E+00	n	2.8E+01	n	3.4E+03	n		1.1E+01	n	1.2E-02	n	1.2E+00	n	1.5E+01	n	2.2E+02	n	
Acrylamide	79-06-1	7.0E+00	c	3.5E-03	c	3.5E-01	c	2.8E+01	c	7.2E+03	c		5.7E+00	c	1.8E-03	c	1.8E-01	c	1.4E+01	c	4.8E+02	c	
Acrylic acid	79-10-7	1.2E+02	n	2.4E+01	n	2.4E+03	n	1.2E+02	n	3.0E+04	n		6.2E+01	n	1.2E+01	n	1.2E+03	n	6.2E+01	n	1.9E+03	n	
Acrylonitrile	107-13-1	3.6E+00	c	3.3E-03	c	3.3E-01	c	5.3E+00	c	1.1E+02	c		2.2E+00	c	1.7E-03	c	1.7E-01	c	2.7E+00	c	7.4E+00	c	
Adipic acid (hexanedioic acid)	124-04-9	1.3E+05	n	9.4E+01	n	9.4E+03	n						1.3E+05	n	4.7E+01	n	4.7E+03	n					
Alachlor	15972-60-8	5.9E+01	c	1.9E-02	m	1.9E+00	m						5.9E+01	c	9.5E-03	m	9.5E-01	m					
Aldicarb	116-06-3	6.7E+01	n	1.8E-02	m	1.8E+00	m						6.7E+01	n	8.9E-03	m	8.9E-01	m					
Aldicarb sulfone	1646-88-4	6.7E+01	n	1.4E-02	m	1.4E+00	m						6.7E+01	n	6.9E-03	m	6.9E-01	m					
Aldrin	309-00-2	5.0E-02	c	1.0E-01	c	1.0E+01	c	8.3E+00	c	8.5E+03	c >S		5.0E-02	c	5.1E-02	c	5.1E+00	c	4.3E+00	c	5.5E+02	c >S	
Allyl alcohol	107-18-6	5.6E+00	n	2.5E-01	n	2.5E+01	n	5.7E+00	n	6.1E+02	n		2.9E+00	n	1.3E-01	n	1.3E+01	n	2.9E+00	n	3.9E+01	n	
Allyl chloride	107-05-1	1.5E+01	n	1.0E+00	n	1.0E+02	n	1.5E+01	n	3.8E+01	n		7.8E+00	n	5.1E-01	n	5.1E+01	n	7.9E+00	n	2.5E+00	n	
Aluminum	7429-90-5	6.5E+04	n	1.7E+05	n >S	1.0E+06	n >S					1.4E+03	6.4E+04	n	8.6E+04	n >S	1.0E+06	n >S					7.1E+02
Ametryn	834-12-8	6.0E+02	n	7.2E+00	n	7.2E+02	n						6.0E+02	n	3.6E+00	n	3.6E+02	n					
Amino-2,6-dinitrotoluene, 4-	19406-51-0	1.1E+01	n	6.7E-02	n	6.7E+00	n						1.1E+01	n	3.3E-02	n	3.3E+00	n					
Amino-4,6-dinitrotoluene, 2-	35572-78-2	1.1E+01	n	9.9E-02	n	9.9E+00	n						1.1E+01	n	5.0E-02	n	5.0E+00	n					
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	92-67-1	7.7E-01	c	1.1E-02	c	1.1E+00	c						7.7E-01	c	5.4E-03	c	5.4E-01	c					
Aminopyridine, 4-	504-24-5	1.3E+00	n	9.5E-04	n	9.5E-02	n						1.3E+00	n	4.7E-04	n	4.7E-02	n					
Ammonia	7664-41-7	1.5E+03	n					1.5E+03	n	5.7E+03	n	3.1E+00	7.9E+02	n					7.9E+02	n	3.7E+02	n	1.6E+00
Ammonium polyphosphate*	6833-79-9																						
Ammonium salts*	Ammonium																						
Aniline	62-53-3	1.0E+02	n	3.7E-01	c	3.7E+01	c	1.3E+02	n	2.5E+04	n		5.9E+01	n	1.8E-01	c	1.8E+01	c	6.7E+01	n	1.6E+03	n	
Anthracene	120-12-7	1.8E+04	n	6.9E+03	n >S	6.9E+05	n >S						1.8E+04	n	3.4E+03	n >S	3.4E+05	n >S					
Anthraquinone, 9,10-	84-65-1	1.2E+02	c	1.1E+00	c	1.1E+02	c >S						1.2E+02	c	5.7E-01	c	5.7E+01	c >S					
Antimony	7440-36-0	1.5E+01	n	5.4E+00	m >S	5.4E+02	m >S						1.5E+01	n	2.7E+00	m >S	2.7E+02	m >S					
Aramite	140-57-8	1.1E+02	c		c		c						1.1E+02	c		c		c					
Arsenic	7440-38-2	2.4E+01	n	5.0E+00	m >S	5.0E+02	m >S						2.4E+01	n	2.5E+00	m >S	2.5E+02	m >S					
Arsine	7784-42-1	7.7E-01	n					7.7E-01	n				3.9E-01	n					3.9E-01	n			
Asbestos[8]	1332-21-4																						
Atrazine	1912-24-9	2.1E+01	c	2.5E-02	m	2.5E+00	m						2.1E+01	c	1.2E-02	m	1.2E+00	m					
Azinphos-methyl (guthion)	86-50-0	1.0E+02	n	4.4E-01	n	4.4E+01	n >S						1.0E+02	n	2.2E-01	n	2.2E+01	n >S					
Azobenzene	103-33-3	3.7E+01	c	1.8E+01	c	1.8E+03	c	1.4E+03	c	1.0E+06	c >S		3.6E+01	c	8.8E+00	c	8.8E+02	c	7.1E+02	c	9.4E+04	c >S	
Barium	7440-39-3	8.1E+03	n	4.4E+02	m >S	4.4E+04	m >S						8.1E+03	n	2.2E+02	m >S	2.2E+04	m >S					
Baylcton	43121-43-3	2.0E+03	n	7.4E+00	n	7.4E+02	n >S						2.0E+03	n	3.7E+00	n	3.7E+02	n >S					
Benefin (benfluralin)	1861-40-1	1.9E+04	n	4.9E+04	n >S	1.0E+06	n >S						1.9E+04	n	2.4E+04	n >S	1.0E+06	n >S					
Benomyl	17804-35-2	3.3E+03	n	3.1E+00	n	3.1E+02	n >S						3.3E+03	n	1.5E+00	n	1.5E+02	n >S					
Benz-a-anthracene	56-55-3	5.7E+00	c	1.8E+01	c	1.8E+03	c >S	3.7E+03	c	1.0E+06	c >S		5.6E+00	c	8.9E+00	c	8.9E+02	c >S	1.9E+03	c	1.0E+06	c >S	
Benzaldehyde	100-52-7	8.2E+03	n	1.1E+01	n	1.1E+03	n						8.2E+03	n	5.3E+00	n	5.3E+02	n					
Benzene	71-43-2	1.2E+02	c	2.6E-02	m	2.6E+00	m	1.6E+02	c	9.2E+02	c		6.9E+01	c	1.3E-02	m	1.3E+00	m	8.4E+01	c	6.0E+01	c	

Table 1
Tier 1 Residential Soil PCLs[1]
May 24, 2011

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note 3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)
Benzenedicarbonitrile, 1,3-	626-17-5	4.0E+02	n	3.3E-01	n	3.3E+01	n						4.0E+02	n	1.6E-01	n	1.6E+01	n					
Benzenedicarboxylic acid, 1,2-disodecyl ester	26761-40-0	3.3E+03	n	1.0E+06	n >S	1.0E+06	n >S	1.0E+06	n	1.0E+06	n >S		3.3E+03	n	1.0E+06	n >S	1.0E+06	n >S	1.0E+06	n	1.0E+06	n >S	
Benzenethiol	108-98-5	8.2E-01	n	6.8E-04	n	6.8E-02	n						8.2E-01	n	3.4E-04	n	3.4E-02	n					
Benzidine	92-87-5	1.5E-02	c	1.1E-05	c	1.1E-03	c	6.3E-02	c	1.4E+01	c		1.3E-02	c	5.5E-06	c	5.5E-04	c	3.2E-02	c	1.2E+00	c	
Benzo-a-pyrene	50-32-8	5.6E-01	c	7.6E+00	m	7.6E+02	m >S	8.5E+02	c	1.0E+06	c >S		5.6E-01	c	3.8E+00	m	3.8E+02	m >S	4.4E+02	c	9.6E+05	c >S	
Benzo-b-fluoranthene	205-99-2	5.7E+00	c	6.0E+01	c	6.0E+03	c >S	6.1E+03	c	1.0E+06	c >S		5.7E+00	c	3.0E+01	c	3.0E+03	c >S	3.2E+03	c	1.0E+06	c >S	
Benzo-e-pyrene	192-97-2	1.8E+03	n	1.1E+05	n >S	1.0E+06	n >S						1.8E+03	n	5.7E+04	n >S	1.0E+06	n >S					
Benzo-g,h,i-perylene	191-24-2	1.8E+03	n	4.6E+04	n >S	1.0E+06	n >S						1.8E+03	n	2.3E+04	n >S	1.0E+06	n >S					
Benzoic acid	65-85-0	2.7E+05	n	1.9E+02	n	1.9E+04	n >S						2.7E+05	n	9.5E+01	n	9.5E+03	n >S					
Benzo-j-fluoranthene	205-82-3	5.4E+00	c	2.6E+01	c	2.6E+03	c >S	3.2E+03	c	1.0E+06	c >S		5.3E+00	c	1.3E+01	c	1.3E+03	c >S	1.7E+03	c	1.0E+06	c >S	
Benzo-k-fluoranthene	207-08-9	5.7E+01	c	6.2E+02	c >S	6.2E+04	c >S	1.5E+05	c	1.0E+06	c >S		5.7E+01	c	3.1E+02	c >S	3.1E+04	c >S	7.8E+04	c	1.0E+06	c >S	
Benzophenone	119-61-9	4.5E+02	n	1.7E+01	n	1.7E+03	n						4.5E+02	n	8.5E+00	n	8.5E+02	n					
Benzotrichloride	98-07-7	3.6E-01	c	4.2E-03	c	4.2E-01	c						3.6E-01	c	2.1E-03	c	2.1E-01	c					
Benzoyl peroxide	94-36-0	3.3E+03	n	5.4E+01	n	5.4E+03	n >S						3.3E+03	n	2.7E+01	n	2.7E+03	n >S					
Benzyl alcohol	100-51-6	6.7E+03	n	5.9E+00	n	5.9E+02	n						6.7E+03	n	2.9E+00	n	2.9E+02	n					
Benzyl chloride	100-44-7	2.6E+01	n	5.0E-02	c	5.0E+00	c	3.1E+01	n	9.3E+02	n		1.4E+01	n	2.5E-02	c	2.5E+00	c	1.6E+01	n	6.0E+01	n	
Benzyl dichloride	98-87-3	2.8E+01	c	6.3E-02	c	6.3E+00	c	5.5E+01	n	2.3E+03	n		2.3E+01	n	3.2E-02	c	3.2E+00	c	2.8E+01	n	1.5E+02	n	
Beryllium	7440-41-7	3.8E+01	n	1.8E+00	m >S	1.8E+02	m >S						3.8E+01	n	9.2E-01	m >S	9.2E+01	m >S					
Biphenyl, 1,1-	92-52-4	3.3E+03	n	2.5E+02	n	2.5E+04	n >S						3.3E+03	n	1.3E+02	n	1.3E+04	n >S					
Biphenyl, 1,1'-, 2-phenoxy-	6738-04-1	3.9E+03	n	7.5E+04	n >S	1.0E+06	n >S						3.9E+03	n	3.7E+04	n >S	1.0E+06	n >S					
Biquinoline, 2,2'-	119-91-5	1.8E+02	n	2.7E+01	n	2.7E+03	n >S						1.8E+02	n	1.3E+01	n	1.3E+03	n >S					
Bis (2-chloroethoxy) methane	111-91-1	3.1E+00	c	1.2E-02	c	1.2E+00	c	1.1E+01	c	1.1E+03	c		2.5E+00	c	5.9E-03	c	5.9E-01	c	5.8E+00	c	7.4E+01	c	
Bis (2-chloroethyl) ether	111-44-4	2.2E+00	c	2.1E-03	c	2.1E-01	c	3.6E+00	c	2.4E+02	c		1.4E+00	c	1.1E-03	c	1.1E-01	c	1.8E+00	c	1.5E+01	c	
Bis (2-chloroisopropyl) ether	108-60-1	5.1E+01	c	1.9E-01	c	1.9E+01	c	2.1E+02	c	1.3E+04	c		4.1E+01	c	9.5E-02	c	9.5E+00	c	1.1E+02	c	8.2E+02	c	
Bis (2-chloromethyl) ether	542-88-1	4.8E-03	c	8.2E-06	c	8.2E-04	c	5.8E-03	c	1.7E-01	c		2.7E-03	c	4.1E-06	c	4.1E-04	c	3.0E-03	c	1.1E-02	c	
Bis (2-ethyl-hexyl) phthalate	117-81-7	4.3E+01	c	1.6E+02	m	1.6E+04	m >S						4.3E+01	c	8.2E+01	m	8.2E+03	m >S					
Bismuth	7440-69-9	3.7E+04	n		n		n						3.7E+04	n		n		n					
Bisphenol A	80-05-7	3.3E+03	n	2.9E+01	n	2.9E+03	n						3.3E+03	n	1.5E+01	n	1.5E+03	n					
Boron[5]	7440-42-8	1.6E+04	n		n		n						1.6E+04	n		n		n					
Bromacil	314-40-9	6.7E+03	n	1.7E+01	n	1.7E+03	n						6.7E+03	n	8.6E+00	n	8.6E+02	n					
Bromo-2-chloroethane, 1-	107-04-0	3.3E+03	n	3.5E+00	n	3.5E+02	n						3.3E+03	n	1.7E+00	n	1.7E+02	n					
Bromobenzene	108-86-1	3.9E+02	n	2.3E+00	n	2.3E+02	n	9.7E+02	n	2.7E+04	n >S		2.8E+02	n	1.2E+00	n	1.2E+02	n	5.0E+02	n	1.7E+03	n	
Bromodichloromethane	75-27-4	9.8E+01	c	6.5E-02	c	6.5E+00	c						9.8E+01	c	3.3E-02	c	3.3E+00	c					
Bromoform	75-25-2	4.0E+02	c	6.3E-01	c	6.3E+01	c	8.4E+02	c	2.8E+04	c >S		2.8E+02	c	3.2E-01	c	3.2E+01	c	4.3E+02	c	1.8E+03	c	
Bromomethane	74-83-9	4.6E+01	n	1.3E-01	n	1.3E+01	n	7.7E+01	n	1.8E+02	n		2.9E+01	n	6.5E-02	n	6.5E+00	n	3.9E+01	n	1.1E+01	n	
Bromophenyl phenylether, 4-	101-55-3	2.8E-01	c	3.5E-01	c	3.5E+01	c	9.8E+00	c	9.2E+03	c >S		2.7E-01	c	1.8E-01	c	1.8E+01	c	5.0E+00	c	5.9E+02	c	
Butadiene, 1,3-	106-99-0	5.1E+02	n					5.1E+02	n	5.0E+02	n		2.6E+02	n					2.6E+02	n	3.2E+01	n	
Butadiene, 2-methyl-1,3- (isoprene)	78-79-5	4.8E+03	n	1.1E+01	n	1.1E+03	n	2.8E+05	n	6.2E+05	n >S		4.7E+03	n	5.5E+00	n	5.5E+02	n	1.4E+05	n	4.0E+04	n >S	
Butanal (butyraldehyde)	123-72-8	4.9E+03	n	3.2E+00	n	3.2E+02	n						4.9E+03	n	1.6E+00	n	1.6E+02	n					
Butane, 2,3-dimethyl-	79-29-8	4.8E+03	n	2.8E+02	n	2.8E+04	n >S	2.8E+05	n	4.6E+05	n >S		4.7E+03	n	1.4E+02	n	1.4E+04	n >S	1.4E+05	n	3.0E+04	n >S	
Butanoic acid (butyric acid)	107-92-6	1.3E+02	n	2.3E+01	n	2.3E+03	n	1.3E+02	n	3.6E+04	n		6.6E+01	n	1.2E+01	n	1.2E+03	n	6.6E+01	n	2.4E+03	n	
Butanol, 1-, 2-Me-	137-32-6	8.2E+02	n	6.0E-01	n	6.0E+01	n						8.2E+02	n	3.0E-01	n	3.0E+01	n					
Butanol, 2-	78-92-2	1.5E+05	n	1.0E+02	n	1.0E+04	n	1.0E+06	n	1.0E+06	n >S		1.3E+05	n	5.2E+01	n	5.2E+03	n	7.2E+05	n	1.0E+06	n >S	
Butanol, 2-methyl-2-	75-85-4	8.2E+02	n	5.9E-01	n	5.9E+01	n						8.2E+02	n	2.9E-01	n	2.9E+01	n					
Butanol, n-	71-36-3	8.2E+03	n	5.3E+00	n	5.3E+02	n						8.2E+03	n	2.6E+00	n	2.6E+02	n					
Butene, 1-	106-98-9	4.8E+03	n	4.4E+01	n	4.4E+03	n	2.8E+05	n	3.0E+05	n >S		4.7E+03	n	2.2E+01	n	2.2E+03	n	1.4E+05	n	1.9E+04	n >S	
Butene, cis-2-	590-18-1	4.8E+03	n	3.2E+01	n	3.2E+03	n	2.8E+05	n	3.2E+05	n >S		4.7E+03	n	1.6E+01	n	1.6E+03	n	1.4E+05	n	2.0E+04	n >S	
Butene, trans-2-	624-64-6	4.8E+03	n	3.2E+01	n	3.2E+03	n	2.8E+05	n	3.2E+05	n >S		4.7E+03	n	1.6E+01	n	1.6E+03	n	1.4E+05	n	2.0E+04	n >S	
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE)	111-76-2	6.5E+03	n	5.9E+00	n	5.9E+02	n	2.9E+05	n	1.0E+06	n >S		6.4E+03	n	2.9E+00	n	2.9E+02	n	1.5E+05	n	1.0E+06	n >S	
Butyl acetate	123-86-4	5.6E+03	n	1.0E+01	n	1.0E+03	n	1.1E+04	n	2.8E+05	n >S		3.8E+03	n	5.1E+00	n	5.1E+02	n	5.7E+03	n	1.8E+04	n >S	
Butyl acrylate	141-32-2	7.4E+02	n	1.0E+00	n	1.0E+02	n						7.4E+02	n	5.2E-01	n	5.2E+01	n					
Butyl benzyl phthalate	85-68-7	1.6E+03	c	2.6E+02	c	2.6E+04	c >S						1.6E+03	c	1.3E+02	c	1.3E+04	c >S					

Table 1
Tier 1 Residential Soil PCLs[1]
May 24, 2011

		0.5 acre source area											30 acre source area									
Chemical of Concern	CAS	$Soil_{Comb}^{Tot}$ [2] (mg/kg)	note3	$Soil_{Ing}^{GW}$ (mg/kg)	note3	$Soil_{Class3}^{GW}$ (mg/kg)	note3	$Soil_{Inh-V}^{Air}$ [4] (mg/kg)	note3	$GW-Soil_{Inh-V}^{Air}$ (mg/kg)	note3	$Soil^{GW}$ for Secondary MCL (mg/kg)	$Soil_{Comb}^{Tot}$ [2] (mg/kg)	note3	$Soil_{Ing}^{GW}$ (mg/kg)	note3	$Soil_{Class3}^{GW}$ (mg/kg)	note3	$Soil_{Inh-V}^{Air}$ [4] (mg/kg)	note 3	$GW-Soil_{Inh-V}^{Air}$ (mg/kg)	note3	$Soil^{GW}$ for Secondary MCL (mg/kg)
Butyl ether, n- (dibutyl ether)	142-96-1	8.2E+03	n	4.3E+01	n	4.3E+03	n						8.2E+03	n	2.2E+01	n	2.2E+03	n				
Butyl methacrylate	97-88-1	7.4E+03	n	2.6E+01	n	2.6E+03	n						7.4E+03	n	1.3E+01	n	1.3E+03	n				
Butylate	2008-41-5	3.3E+03	n	8.5E+00	n	8.5E+02	n	>S					3.3E+03	n	4.3E+00	n	4.3E+02	n	>S			
Butylbenzene, n-	104-51-8	3.3E+03	n	1.5E+02	n	1.5E+04	n	>S					3.3E+03	n	7.6E+01	n	7.6E+03	n	>S			
Butylbenzene, sec-	135-98-8	3.3E+03	n	8.5E+01	n	8.5E+03	n	>S					3.3E+03	n	4.2E+01	n	4.2E+03	n	>S			
Butylbenzene, tert-	98-06-6	3.3E+03	n	1.0E+02	n	1.0E+04	n	>S					3.3E+03	n	5.0E+01	n	5.0E+03	n	>S			
Cacodylic acid	75-60-5	2.0E+02	n	1.5E-01	n	1.5E+01	n						2.0E+02	n	7.4E-02	n	7.4E+00	n				
Cadmium	7440-43-9	5.2E+01	n	1.5E+00	m	>S 1.5E+02	m	>S					5.2E+01	n	7.5E-01	m	>S 7.5E+01	m	>S			
Calcium*	7440-70-2																					
Caprolactam	105-60-2	3.3E+04	n	4.7E+01	n	4.7E+03	n						3.3E+04	n	2.3E+01	n	2.3E+03	n				
Captan	133-06-2	1.3E+03	c	6.7E+01	c	6.7E+03	c	>S					1.3E+03	c	3.4E+01	c	3.4E+03	c	>S			
Carbaryl	63-25-2	6.7E+03	n	2.8E+01	n	2.8E+03	n	>S					6.7E+03	n	1.4E+01	n	1.4E+03	n	>S			
Carbazole	86-74-8	2.3E+02	c	4.6E+00	c	4.6E+02	c	>S					2.3E+02	c	2.3E+00	c	2.3E+02	c	>S			
Carbofuran	1563-66-2	3.3E+02	n	1.2E-01	m	1.2E+01	m						3.3E+02	n	6.2E-02	m	6.2E+00	m				
Carbon disulfide	75-15-0	4.6E+03	n	1.4E+01	n	1.4E+03	n		1.1E+04	n	2.7E+04	n >S	3.3E+03	n	6.8E+00	n	6.8E+02	n		5.5E+03	n	1.7E+03	n
Carbon tetrachloride	56-23-5	3.5E+01	c	6.2E-02	m	6.2E+00	m		6.0E+01	c	2.4E+02	c	2.3E+01	c	3.1E-02	m	3.1E+00	m		3.1E+01	c	1.6E+01	c
Carbophenothion	786-19-6	8.2E+02	n	1.5E+03	n	1.5E+05	n	>S					8.2E+02	n	7.4E+02	n	7.4E+04	n	>S			
Carbosulfan	55285-14-8	4.3E+02	n	2.5E+02	n	2.5E+04	n	>S					4.3E+02	n	1.3E+02	n	1.3E+04	n	>S			
Carboxin	5234-68-4	6.7E+03	n	8.7E+01	n	8.7E+03	n	>S					6.7E+03	n	4.4E+01	n	4.4E+03	n	>S			
Chloral	75-87-6	8.2E+03	n	5.3E+00	n	5.3E+02	n						8.2E+03	n	2.7E+00	n	2.7E+02	n				
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	302-17-0	6.7E+03	n	5.2E+00	n	5.2E+02	n						6.7E+03	n	2.6E+00	n	2.6E+02	n				
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	133-90-4	1.0E+03	n	3.8E+00	n	3.8E+02	n						1.0E+03	n	1.9E+00	n	1.9E+02	n				
Chlordane (technical)	12789-03-6	6.0E+00	c	9.6E+00	m	9.6E+02	m	>S	1.2E+03	c	1.0E+06	c >S	5.9E+00	c	4.8E+00	m	4.8E+02	m	>S	6.4E+02	c	2.4E+05	c >S
Chlordane, cis- (alpha chlordane)	5103-71-9	1.3E+01	c	7.4E+02	c	7.4E+04	c	>S	4.1E+03	c	1.0E+06	c >S	1.3E+01	c	3.7E+02	c	3.7E+04	c	>S	2.1E+03	c	1.0E+06	c >S
Chlordane, gamma	5103-74-2	7.4E+00	c	4.1E+01	c	4.1E+03	c	>S	9.7E+02	c	1.0E+06	c >S	7.3E+00	c	2.1E+01	c	2.1E+03	c	>S	5.0E+02	c	1.6E+05	c >S
Chlorfenvinphos	470-90-6	1.4E+01	n	9.1E-01	n	9.1E+01	n		3.1E+01	n			9.6E+00	n	4.6E-01	n	4.6E+01	n		1.6E+01	n		
Chloride*	16887-00-6																					
Chlorine	7782-50-5	2.3E+00	n		m		m		2.3E+00	n		n GW Ing	1.2E+00	n		m		m		1.2E+00	n		n GW Ing
Chloro-1,3-butadiene, 2-	126-99-8	1.2E+00	c						1.2E+00	c	2.6E+00	c	6.1E-01	c						6.1E-01	c	1.7E-01	c
Chloro-2-propanol, 1-	127-00-4	1.6E+03	n	1.1E+00	n	1.1E+02	n						1.6E+03	n	5.3E-01	n	5.3E+01	n				
Chloro-3-methylphenol, 4-	59-50-7	3.3E+02	n	4.5E+00	n	4.5E+02	n						3.3E+02	n	2.3E+00	n	2.3E+02	n				
Chloroaniline, p-	106-47-8	2.3E+01	c	2.1E-02	c	2.1E+00	c						2.3E+01	c	1.0E-02	c	1.0E+00	c				
Chlorobenzene	108-90-7	5.2E+02	n	1.1E+00	m	1.1E+02	m		7.7E+02	n	1.3E+04	n >S	3.2E+02	n	5.5E-01	m	5.5E+01	m		3.9E+02	n	8.2E+02	n
Chlorobenzilate	510-15-6	1.7E+01	c	1.1E-01	c	1.1E+01	c		3.5E+02	c	2.4E+05	c >S	1.6E+01	c	5.7E-02	c	5.7E+00	c		1.8E+02	c	1.5E+04	c >S
Chlorobromomethane (bromochloromethane)	74-97-5	3.3E+03	n	3.0E+00	n	3.0E+02	n						3.3E+03	n	1.5E+00	n	1.5E+02	n				
Chlorodifluoromethane	75-45-6	7.7E+05	n						7.7E+05	n	8.9E+05	n >S	3.9E+05	n						3.9E+05	n	5.8E+04	n >S
Chloroethane (ethyl chloride)	75-00-3	2.7E+04	n	3.1E+01	n	3.1E+03	n		1.5E+05	n	3.7E+05	n >S	2.3E+04	n	1.5E+01	n	1.5E+03	n		7.9E+04	n	2.4E+04	n
Chloroethanol, 2-	107-07-3	3.3E+04	n	1.9E+01	n	1.9E+03	n						3.3E+04	n	9.7E+00	n	9.7E+02	n				
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	110-75-8	4.5E+00	n	2.9E-03	c	2.9E-01	c		4.6E+00	n	6.8E+01	n	2.3E+00	n	1.4E-03	c	1.4E-01	c		2.4E+00	n	4.4E+00	n
Chloroform	67-66-3	1.6E+01	c	1.0E+00	n	1.0E+02	n		1.6E+01	c	8.3E+01	c	8.0E+00	c	5.1E-01	n	5.1E+01	n		8.0E+00	c	5.4E+00	c
Chlorohexane, 1-	544-10-5	2.7E+03	n	3.9E+01	n	3.9E+03	n	>S	1.5E+04	n	2.9E+05	n >S	2.3E+03	n	2.0E+01	n	2.0E+03	n	>S	7.9E+03	n	1.9E+04	n >S
Chloromethane (methyl chloride)	74-87-3	1.4E+02	c	4.1E-01	c	4.1E+01	c		2.0E+02	c	2.1E+02	c	8.4E+01	c	2.0E-01	c	2.0E+01	c		1.0E+02	c	1.4E+01	c
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	90-13-1	4.6E+03	n	7.4E+02	n	7.4E+04	n	>S					4.6E+03	n	3.7E+02	n	3.7E+04	n	>S			
Chloronaphthalene, 2- (chloronaphthalene, beta)	91-58-7	5.0E+03	n	6.7E+02	n	6.7E+04	n	>S					5.0E+03	n	3.3E+02	n	3.3E+04	n	>S			
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	100-00-5	3.2E+01	n	1.5E-01	n	1.5E+01	n		6.3E+01	n	4.8E+03	n >S	2.2E+01	n	7.6E-02	n	7.6E+00	n		3.2E+01	n	3.1E+02	n
Chlorophenol, 2-	95-57-8	4.1E+02	n	1.6E+00	n	1.6E+02	n						4.1E+02	n	8.2E-01	n	8.2E+01	n				
Chlorophenol, 3-	108-43-0	3.3E+02	n	7.8E-01	n	7.8E+01	n						3.3E+02	n	3.9E-01	n	3.9E+01	n				
Chlorophenol, 4-	106-48-9	3.3E+02	n	8.4E-01	n	8.4E+01	n						3.3E+02	n	4.2E-01	n	4.2E+01	n				
Chlorophenyl phenylether, 4-	7005-72-3	1.6E-01	c	3.2E-02	c	3.2E+00	c		2.5E+00	c	6.5E+02	c	1.5E-01	c	1.6E-02	c	1.6E+00	c		1.3E+00	c	4.2E+01	c
Chloropropane, 2-	75-29-6	9.4E+02	n	5.4E+00	n	5.4E+02	n		1.5E+03	n	3.5E+03	n	6.0E+02	n	2.7E+00	n	2.7E+02	n		7.9E+02	n	2.2E+02	n
Chlorothalonil	1897-45-6	4.3E+02	c	8.1E+00	c	8.1E+02	c						4.3E+02	c	4.1E+00	c	4.1E+02	c				
Chlorotoluene, o- (2-chlorotoluene)	95-49-8	1.2E+03	n	9.1E+00	n	9.1E+02	n		1.3E+04	n	4.4E+05	n >S	1.1E+03	n	4.5E+00	n	4.5E+02	n		6.8E+03	n	2.8E+04	n >S

Table 1
Tier 1 Residential Soil PCLs[1]
May 24, 2011

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	^{GW}Soil for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note 3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	^{GW}Soil for Secondary MCL (mg/kg)
Chlorotoluene, p- (4-chlorotoluene)	106-43-4	1.6E+03	n	1.1E+01	n	1.1E+03	n						1.6E+03	n	5.4E+00	n	5.4E+02	n					
Chlorpyrifos	2921-88-2	1.3E+02	n	1.5E+01	n	1.5E+03	n	>S					1.3E+02	n	7.4E+00	n	7.4E+02	n	>S				
Chromium (III)	16065-83-1	3.3E+04	n	2.4E+03	m	>S	2.4E+05	m	>S				2.7E+04	n	1.2E+03	m	>S	1.2E+05	m	>S				
Chromium (total)	7440-47-3	3.3E+04	n	2.4E+03	m	>S	2.4E+05	m	>S				2.7E+04	n	1.2E+03	m	>S	1.2E+05	m	>S				
Chromium (VI)	18540-29-9	1.2E+02	n	2.8E+01	m	>S	2.8E+03	m	>S				1.2E+02	n	1.4E+01	m	>S	1.4E+03	m	>S				
Chrysene	218-01-9	5.6E+02	c	1.5E+03	c	>S	1.5E+05	c	>S	5.9E+05	c	1.0E+06	c	>S	5.6E+02	c	7.7E+02	c	>S	7.7E+04	c	>S	3.0E+05	c	1.0E+06	c	>S	
Cobalt	7440-48-4	2.1E+01	n	6.6E+00	n	>S	6.6E+02	n	>S				2.1E+01	n	3.3E+00	n	>S	3.3E+02	n	>S				
Copolymer acrylamide	69418-26-4	1.3E+01	n	9.4E-03	n		9.4E-01	n					1.3E+01	n	4.7E-03	n		4.7E-01	n					
Copper	7440-50-8	5.5E+02	n	1.0E+03	a	>S	1.0E+05	a	>S			8.0E+02	5.5E+02	n	5.2E+02	a	>S	5.2E+04	a	>S				4.0E+02
Coronene	191-07-1	1.3E+02	n	5.6E+04	n	>S	1.0E+06	n	>S				1.3E+02	n	2.8E+04	n	>S	1.0E+06	n	>S				
Coumaphos	56-72-4	4.3E+02	n	1.1E+02	n		1.1E+04	n	>S				4.3E+02	n	5.5E+01	n		5.5E+03	n	>S				
Cresol	1319-77-3	3.3E+03	n	6.6E+00	n		6.6E+02	n					3.3E+03	n	3.3E+00	n		3.3E+02	n					
Cresol, m- (3-methylphenol)	108-39-4	3.3E+03	n	6.6E+00	n		6.6E+02	n					3.3E+03	n	3.3E+00	n		3.3E+02	n					
Cresol, o- (2-methylphenol)	95-48-7	3.3E+03	n	7.1E+00	n		7.1E+02	n					3.3E+03	n	3.6E+00	n		3.6E+02	n					
Cresol, p- (4-methylphenol)	106-44-5	3.3E+02	n	6.3E-01	n		6.3E+01	n					3.3E+02	n	3.2E-01	n		3.2E+01	n					
Crotonaldehyde	123-73-9	3.2E+00	c	9.5E-04	c		9.5E-02	c					3.2E+00	c	4.8E-04	c		4.8E-02	c					
Cumene (isopropylbenzene)	98-82-8	4.3E+03	n	3.5E+02	n		3.5E+04	n	>S	9.2E+03	n	6.2E+05	n	>S	3.0E+03	n	1.7E+02	n		1.7E+04	n	>S	4.8E+03	n	4.0E+04	n	>S	
Cyanazine	21725-46-2	5.6E+00	c	4.2E-03	c		4.2E-01	c					5.6E+00	c	2.1E-03	c		2.1E-01	c					
Cyanide	57-12-5	4.8E+01	n	4.0E+01	m		4.0E+03	m					4.8E+01	n	2.0E+01	m		2.0E+03	m					
Cyanogen	460-19-5	1.1E+01	n	6.1E-02	n		6.1E+00	n		1.2E+01	n	1.8E+01	n		5.9E+00	n	3.0E-02	n		3.0E+00	n		6.3E+00	n	1.2E+00	n		
Cycloate	1134-23-2	3.7E+03	n	1.5E+02	n		1.5E+04	n	>S				3.7E+03	n	7.6E+01	n		7.6E+03	n	>S				
Cyclohexane	110-82-7	7.5E+04	n	5.9E+03	n	>S	5.9E+05	n	>S	9.2E+04	n	2.9E+05	n	>S	4.2E+04	n	2.9E+03	n	>S	2.9E+05	n	>S	4.7E+04	n	1.8E+04	n	>S	
Cyclohexanol	108-93-0	3.3E+05	n	2.9E+02	n	>S	2.9E+04	n	>S				3.3E+05	n	1.5E+02	n	>S	1.5E+04	n	>S				
Cyclohexanone	108-94-1	3.2E+04	n	2.6E+02	n		2.6E+04	n		3.5E+04	n	1.0E+06	n	>S	1.7E+04	n	1.3E+02	n		1.3E+04	n		1.8E+04	n	1.9E+05	n	>S	
Cyclohexene-1-methanol, 3-	1679-51-2	1.6E+03	n	3.8E+00	n		3.8E+02	n					1.6E+03	n	1.9E+00	n		1.9E+02	n					
Cyclopentane, methyl-	96-37-7	5.3E+03	n	1.4E+02	n		1.4E+04	n	>S	1.5E+04	n	3.8E+04	n	>S	4.0E+03	n	6.8E+01	n		6.8E+03	n	>S	7.9E+03	n	2.5E+03	n	>S	
Cyclopentene	142-29-0	4.1E+05	n	1.1E+03	n		1.1E+05	n	>S				4.1E+05	n	5.3E+02	n		5.3E+04	n	>S				
Cyclotetramethylenetetranitramine (HMX)	2691-41-0	1.6E+03	n	2.3E+00	n		2.3E+02	n					1.6E+03	n	1.2E+00	n		1.2E+02	n					
Cyclotrimethylenetrinitramine (RDX)	121-82-4	4.3E+01	c	3.7E-02	c		3.7E+00	c					4.3E+01	c	1.8E-02	c		1.8E+00	c					
Cymene (isopropyltoluene)	99-87-6	8.2E+03	n	2.3E+02	n		2.3E+04	n	>S				8.2E+03	n	1.2E+02	n		1.2E+04	n	>S				
Cymoxanil	57966-95-7	8.7E+02	n	6.1E-01	n		6.1E+01	n					8.7E+02	n	3.0E-01	n		3.0E+01	n					
Dacthal (DCPA)	1861-32-1	6.2E+02	n	4.5E+02	n	>S	4.5E+04	n	>S				6.2E+02	n	2.3E+02	n	>S	2.3E+04	n	>S				
Dalapon, sodium salt (2,2-dichloropropanoic acid)	75-99-0	2.0E+03	n	5.8E-01	m		5.8E+01	m					2.0E+03	n	2.9E-01	m		2.9E+01	m					
DDD	72-54-8	1.4E+01	c	1.3E+01	c		1.3E+03	c	>S				1.4E+01	c	6.5E+00	c		6.5E+02	c	>S				
DDE	72-55-9	1.0E+01	c	1.2E+01	c		1.2E+03	c	>S				1.0E+01	c	5.9E+00	c		5.9E+02	c	>S				
DDT	50-29-3	5.4E+00	c	1.5E+01	c		1.5E+03	c	>S	1.2E+03	c	1.0E+06	c	>S	5.4E+00	c	7.4E+00	c		7.4E+02	c	>S	6.2E+02	c	2.2E+05	c	>S	
Demeton	8065-48-3	2.7E+00	n	1.2E-02	n		1.2E+00	n					2.7E+00	n	6.2E-03	n		6.2E-01	n					
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	123-42-2	2.7E+03	n	1.9E+00	n		1.9E+02	n					2.7E+03	n	9.7E-01	n		9.7E+01	n					
Diallate	2303-16-4	3.8E+01	c	1.2E+00	c		1.2E+02	c					3.8E+01	c	5.8E-01	c		5.8E+01	c					
Diazinon	333-41-5	3.1E+01	n	1.6E-01	n		1.6E+01	n		6.5E+01	n	2.9E+04	n	>S	2.1E+01	n	7.9E-02	n		7.9E+00	n		3.3E+01	n	1.9E+03	n	>S	
Dibenz(a,h)acridine	226-36-8	3.7E+00	c	5.8E+01	c	>S	5.8E+03	c	>S	1.5E+04	c	1.0E+06	c	>S	3.7E+00	c	2.9E+01	c	>S	2.9E+03	c	>S	7.9E+03	c	1.0E+06	c	>S	
Dibenz(a,j)acridine	224-42-0	5.8E+00	c	1.1E+02	c	>S	1.1E+04	c	>S	2.1E+04	c	1.0E+06	c	>S	5.8E+00	c	5.6E+01	c	>S	5.6E+03	c	>S	1.1E+04	c	1.0E+06	c	>S	
Dibenz-a,h-anthracene	53-70-3	5.5E-01	c	1.5E+01	c		1.5E+03	c	>S	2.0E+03	c	1.0E+06	c	>S	5.5E-01	c	7.6E+00	c		7.6E+02	c	>S	1.0E+03	c	1.0E+06	c	>S	
Dibenzo(a,e)pyrene	192-65-4	6.1E-01	c	1.3E+02	c	>S	1.3E+04	c	>S	7.2E+03	c	1.0E+06	c	>S	6.1E-01	c	6.5E+01	c	>S	6.5E+03	c	>S	3.7E+03	c	1.0E+06	c	>S	
Dibenzo(a,h)pyrene	189-64-0	6.1E-02	c	1.2E+01	c		1.2E+03	c	>S	7.0E+02	c	1.0E+06	c	>S	6.1E-02	c	6.0E+00	c		6.0E+02	c	>S	3.6E+02	c	1.0E+06	c	>S	
Dibenzo(a,i)pyrene	189-55-9	6.1E-02	c	1.2E+01	c		1.2E+03	c	>S	7.0E+02	c	1.0E+06	c	>S	6.1E-02	c	6.0E+00	c		6.0E+02	c	>S	3.6E+02	c	1.0E+06	c	>S	
Dibenzofuran	132-64-9	2.7E+02	n	3.3E+01	n		3.3E+03	n	>S				2.7E+02	n	1.7E+01	n		1.7E+03	n	>S				
Dibenzothiophene	132-65-0	1.9E+02	n	1.0E+02	n		1.0E+04	n	>S				1.9E+02	n	5.0E+01	n		5.0E+03	n	>S				
Dibromo-3-chloropropane, 1,2-	96-12-8	1.5E-01	c	1.7E-03	m		1.7E-01	m		1.6E-01	c	5.4E+00	c		8.0E-02	c	8.7E-04	m		8.7E-02	m		8.1E-02	c	3.5E-01	c		
Dibromochloromethane (chlorodibromomethane)	124-48-1	7.2E+01	c	4.9E-02	c		4.9E+00	c					7.2E+01	c	2.5E-02	c		2.5E+00	c					
Dibromofluoromethane	1868-53-7	1.6E+04	n	1.6E+01	n		1.6E+03	n					1.6E+04	n	7.8E+00	n		7.8E+02	n					
Dicamba	1918-00-9	2.0E+03	n	1.5E+00	n		1.5E+02	n					2.0E+03	n	7.3E-01	n		7.3E+01	n					
Dichlormid	37764-25-3	1.7E+03	n	2.6E+00	n		2.6E+02	n					1.7E+03	n	1.3E+00	n		1.3E+02	n					

Table 1
Tier 1 Residential Soil PCLs[1]
May 24, 2011

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note 3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)
Dichloro-2-butene, 1,4-	764-41-0	2.0E-01	c					2.0E-01	c	6.2E+00	c		1.0E-01	c					1.0E-01	c	4.0E-01	c	
Dichloro-2-butene, 1,4- trans	110-57-6	2.0E-01	c					2.0E-01	c	6.6E+00	c		1.1E-01	c					1.1E-01	c	4.3E-01	c	
Dichlorobenzene, 1,2-	95-50-1	7.2E+02	n	1.8E+01	m	1.8E+03	m	8.0E+02	n	3.5E+04	n	>S	3.9E+02	n	8.9E+00	m	8.9E+02	m	4.1E+02	n	2.2E+03	n	
Dichlorobenzene, 1,3-	541-73-1	1.2E+02	n	6.7E+00	n	6.7E+02	n	1.2E+02	n	1.7E+03	n	>S	6.2E+01	n	3.4E+00	n	3.4E+02	n	6.3E+01	n	1.1E+02	n	
Dichlorobenzene, 1,4-	106-46-7	2.5E+02	c	2.1E+00	m	2.1E+02	m	2.4E+03	n	1.0E+05	n	>S	2.5E+02	c	1.1E+00	m	1.1E+02	m	1.3E+03	n	6.5E+03	n	>S
Dichlorobenzidine, 3,3-	91-94-1	1.0E+01	c	6.3E-02	c	6.3E+00	c						1.0E+01	c	3.1E-02	c	3.1E+00	c					
Dichlorobutane, 2,3-	7581-97-7	9.5E+01	n	2.6E+00	n	2.6E+02	n	1.1E+02	n	1.5E+03	n		5.2E+01	n	1.3E+00	n	1.3E+02	n	5.5E+01	n	9.9E+01	n	
Dichlorodifluoromethane	75-71-8	1.4E+03	n	2.4E+02	n	2.4E+04	n	>S 1.5E+03	n	2.9E+03	n		7.5E+02	n	1.2E+02	n	1.2E+04	n	>S 7.9E+02	n	1.9E+02	n	
Dichloroethane, 1,1-	75-34-3	1.1E+04	n	1.8E+01	n	1.8E+03	n	3.7E+04	n	1.6E+05	n	>S	8.8E+03	n	9.2E+00	n	9.2E+02	n	1.9E+04	n	1.1E+04	n	>S
Dichloroethane, 1,2-	107-06-2	1.1E+01	c	1.4E-02	m	1.4E+00	m	1.4E+01	c	9.1E+01	c		6.4E+00	c	6.9E-03	m	6.9E-01	m	7.1E+00	c	5.9E+00	c	
Dichloroethylene, 1,1-	75-35-4	2.3E+03	n	5.0E-02	m	5.0E+00	m	5.2E+03	n	1.2E+04	n		1.6E+03	n	2.5E-02	m	2.5E+00	m	2.7E+03	n	7.7E+02	n	
Dichloroethylene, cis-1,2-	156-59-2	1.4E+02	n	2.5E-01	m	2.5E+01	m	9.2E+02	n	4.4E+03	n		1.2E+02	n	1.2E-01	m	1.2E+01	m	4.7E+02	n	2.8E+02	n	
Dichloroethylene, trans-1,2	156-60-5	5.9E+02	n	4.9E-01	m	4.9E+01	m	9.2E+02	n	3.8E+03	n		3.7E+02	n	2.5E-01	m	2.5E+01	m	4.7E+02	n	2.4E+02	n	
Dichlorofluoromethane	75-43-4	1.6E+04	n	1.4E+01	n	1.4E+03	n						1.6E+04	n	7.1E+00	n	7.1E+02	n					
Dichlorophenol, 2,3-	576-24-9	2.0E+02	n	5.4E-01	n	5.4E+01	n						2.0E+02	n	2.7E-01	n	2.7E+01	n					
Dichlorophenol, 2,4-	120-83-2	2.0E+02	n	3.5E-01	n	3.5E+01	n						2.0E+02	n	1.8E-01	n	1.8E+01	n					
Dichlorophenol, 2,5-	583-78-8	2.0E+02	n	5.0E-01	n	5.0E+01	n						2.0E+02	n	2.5E-01	n	2.5E+01	n					
Dichlorophenol, 2,6-	87-65-0	6.7E+01	n	6.9E-02	n	6.9E+00	n						6.7E+01	n	3.4E-02	n	3.4E+00	n					
Dichlorophenol, 3,4-	95-77-2	2.0E+02	n	2.0E+00	n	2.0E+02	n						2.0E+02	n	1.0E+00	n	1.0E+02	n					
Dichlorophenol, 3,5-	591-35-5	2.0E+02	n	1.3E+00	n	1.3E+02	n						2.0E+02	n	6.6E-01	n	6.6E+01	n					
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	94-82-6	5.3E+02	n	3.9E-01	n	3.9E+01	n						5.3E+02	n	1.9E-01	n	1.9E+01	n					
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	94-75-7	7.3E+02	n	2.6E+00	m	2.6E+02	m						7.3E+02	n	1.3E+00	m	1.3E+02	m					
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	120-36-5	6.7E+02	n	4.7E-01	n	4.7E+01	n						6.7E+02	n	2.3E-01	n	2.3E+01	n					
Dichloropropane, 1,2-	78-87-5	6.1E+01	n	2.3E-02	m	2.3E+00	m	6.1E+01	n	5.3E+02	n		3.1E+01	n	1.1E-02	m	1.1E+00	m	3.2E+01	n	3.4E+01	n	
Dichloropropane, 1,3-	142-28-9	3.6E+01	c	6.4E-02	c	6.4E+00	c	9.0E+01	c	1.8E+03	c		2.6E+01	c	3.2E-02	c	3.2E+00	c	4.6E+01	c	1.2E+02	c	
Dichloropropane, 2,2-	594-20-7	6.1E+01	n	1.2E-01	c	1.2E+01	c	6.1E+01	n	5.1E+02	n		3.1E+01	n	6.0E-02	c	6.0E+00	c	3.2E+01	n	3.3E+01	n	
Dichloropropanol, 2,3-	616-23-9	2.0E+02	n	2.4E-01	n	2.4E+01	n						2.0E+02	n	1.2E-01	n	1.2E+01	n					
Dichloropropene, 1,1-	563-58-6	3.6E+01	c	1.3E-01	c	1.3E+01	c	9.0E+01	c	2.8E+02	c		2.6E+01	c	6.7E-02	c	6.7E+00	c	4.6E+01	c	1.8E+01	c	
Dichloropropene, 1,3- (mixed isomers)	542-75-6	3.6E+01	c	3.9E-02	c	3.9E+00	c	9.0E+01	c	7.7E+02	c		2.6E+01	c	2.0E-02	c	2.0E+00	c	4.6E+01	c	5.0E+01	c	
Dichloropropene, cis 1,3-	10061-01-5	8.0E+00	n	6.6E-03	c	6.6E-01	c	3.1E+02	n	2.7E+03	n		7.8E+00	n	3.3E-03	c	3.3E-01	c	1.6E+02	n	1.8E+02	n	
Dichloropropene, trans 1,3-	10061-02-6	3.6E+01	c	3.6E-02	c	3.6E+00	c	9.0E+01	c	7.5E+02	c		2.6E+01	c	1.8E-02	c	1.8E+00	c	4.6E+01	c	4.8E+01	c	
Dichlorvos	62-73-7	1.6E+01	c	4.9E+05	c	1.0E+06	c	1.0E+06	n	1.0E+06	n		1.6E+01	c	2.4E+05	c	1.0E+06	c	6.2E+05	n	1.0E+06	n	
Dicrotophos (bidrin)	141-66-2	6.7E+00	n	4.7E-03	n	4.7E-01	n						6.7E+00	n	2.3E-03	n	2.3E-01	n					
Dicyclopentadiene	77-73-6	6.6E+02	n		n		n						6.6E+02	n		n		n					
Dieldrin	60-57-1	1.5E-01	c	4.9E-02	c	4.9E+00	c	3.2E+01	c	1.1E+05	c	>S	1.5E-01	c	2.4E-02	c	2.4E+00	c	1.6E+01	c	7.0E+03	c	>S
Diethanolamine	111-42-2	3.3E+01	n	2.3E-02	n	2.3E+00	n						3.3E+01	n	1.2E-02	n	1.2E+00	n					
Diethyl phthalate	84-66-2	5.3E+04	n	1.6E+02	n	1.6E+04	n	>S					5.3E+04	n	7.8E+01	n	7.8E+03	n	>S				
Diethylene glycol	111-46-6	1.3E+05	n	9.4E+01	n	9.4E+03	n						1.3E+05	n	4.7E+01	n	4.7E+03	n					
Diethylene glycol monobutyl ether	112-34-5	2.0E+01	n	1.6E+00	n	1.6E+02	n	2.0E+01	n	6.9E+03	n		1.0E+01	n	7.8E-01	n	7.8E+01	n	1.0E+01	n	4.4E+02	n	
Diethylhexyl adipate	103-23-1	3.9E+03	c	6.1E+03	m	>S 6.1E+05	m	>S					3.9E+03	c	3.0E+03	m	>S 3.0E+05	m	>S				
Diethylstilbestrol	56-53-1	7.1E-04	c	5.8E-04	c	5.8E-02	c						7.1E-04	c	2.9E-04	c	2.9E-02	c					
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	107-39-1	1.9E+03	n	6.1E+02	n	6.1E+04	n	>S 3.1E+03	n	9.5E+03	n	>S	1.2E+03	n	3.0E+02	n	3.0E+04	n	>S 1.6E+03	n	6.1E+02	n	
Diisopropylbenzene, p-	100-18-5	8.2E+02	n	9.5E+01	n	9.5E+03	n	>S					8.2E+02	n	4.7E+01	n	4.7E+03	n	>S				
Diisopropyl ether (2,2'-oxybis-propane)	108-20-3	3.5E+03	n	1.2E+01	n	1.2E+03	n	6.1E+03	n	5.5E+04	n	>S	2.3E+03	n	6.0E+00	n	6.0E+02	n	3.2E+03	n	3.6E+03	n	
Dimethenamid	87674-68-8	1.0E+03	n	1.0E+00	n	1.0E+02	n						1.0E+03	n	5.2E-01	n	5.2E+01	n					
Dimethoate	60-51-5	1.3E+01	n	1.0E-02	n	1.0E+00	n						1.3E+01	n	5.1E-03	n	5.1E-01	n					
Dimethoxybenzidine, 3,3'-	119-90-4	3.4E+02	c	2.8E-01	c	2.8E+01	c						3.4E+02	c	1.4E-01	c	1.4E+01	c					
Dimethylphenethylamine, alpha, alpha-	122-09-8	1.3E+02	n	3.8E-01	n	3.8E+01	n						1.3E+02	n	1.9E-01	n	1.9E+01	n					
Dimethyl phenol, 2,4-	105-67-9	1.3E+03	n	3.2E+00	n	3.2E+02	n						1.3E+03	n	1.6E+00	n	1.6E+02	n					
Dimethylaminoazobenzene, p-	60-11-7	6.4E-01	n	1.1E+00	n	1.1E+02	n						6.4E-01	n	5.6E-01	n	5.6E+01	n					
Dimethylbenz-a-anthracene, 7,12-	57-97-6	1.7E-02	c	1.2E+00	c	1.2E+02	c	1.4E+02	c	1.0E+06	c	>S	1.7E-02	c	6.2E-01	c	6.2E+01	c	7.3E+01	c	7.3E+05	c	>S
Dimethylbenzidine, 3,3'-	119-93-7	4.3E-01	c	8.2E-04	c	8.2E-02	c						4.3E-01	c	4.1E-04	c	4.1E-02	c					

Table 1
Tier 1 Residential Soil PCLs[1]
May 24, 2011

		0.5 acre source area											30 acre source area									
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note3	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note3	^{GW}Soil for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note 3	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note3	^{GW}Soil for Secondary MCL (mg/kg)
Dimethylnaphthalene, 1,3-	575-41-7	2.3E+03	n	7.9E+02	n	7.9E+04	n >S						2.3E+03	n	3.9E+02	n	3.9E+04	n >S					
Dimethylphthalate	131-11-3	5.3E+04	n	6.2E+01	n	6.2E+03	n						5.3E+04	n	3.1E+01	n	3.1E+03	n					
Di-n-butyl phthalate	84-74-2	6.2E+03	n	3.3E+03	n	3.3E+05	n >S						6.2E+03	n	1.7E+03	n	1.7E+05	n >S					
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	534-52-1	6.7E+00	n	4.7E-03	n	4.7E-01	n						6.7E+00	n	2.3E-03	n	2.3E-01	n					
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	99-65-0	6.7E+00	n	7.6E-03	n	7.6E-01	n						6.7E+00	n	3.8E-03	n	3.8E-01	n					
Dinitrobenzene, 1,4-	100-25-4	6.7E+00	n	7.2E-03	n	7.2E-01	n						6.7E+00	n	3.6E-03	n	3.6E-01	n					
Dinitrophenol, 2,4-	51-28-5	1.3E+02	n	9.4E-02	n	9.4E+00	n						1.3E+02	n	4.7E-02	n	4.7E+00	n					
Dinitrophenol, 2,5-	329-71-5	1.3E+02	n	9.6E-02	n	9.6E+00	n						1.3E+02	n	4.8E-02	n	4.8E+00	n					
Dinitrotoluene, 2,4-	121-14-2	6.9E+00	c	5.3E-03	c	5.3E-01	c						6.9E+00	c	2.7E-03	c	2.7E-01	c					
Dinitrotoluene, 2,6-	606-20-2	6.9E+00	c	4.8E-03	c	4.8E-01	c						6.9E+00	c	2.4E-03	c	2.4E-01	c					
Di-n-octyl phthalate	117-84-0	2.6E+03	n	1.0E+06	n >S	1.0E+06	n >S						2.6E+03	n	1.0E+06	n >S	1.0E+06	n >S					
Dinoseb	88-85-7	6.7E+01	n	3.5E-01	m	3.5E+01	m						6.7E+01	n	1.8E-01	m	1.8E+01	m					
Dioxane 1,4-	123-91-1	6.1E+01	c	1.8E-02	c	1.8E+00	c	1.4E+05	n	1.0E+06	n >S		6.1E+01	c	8.8E-03	c	8.8E-01	c	7.1E+04	n	7.5E+05	n	
Dioxins/furans, polychlorinated, (reported as 2,3,7,8-TCDD TEQ)	1746-01-6	1.0E-03	n	1.7E-02	m	1.7E+00	m						1.0E-03	n	8.5E-03	m	8.5E-01	m					
Diphenyl ether	101-84-8	3.8E+02	n	9.2E+01	n	9.2E+03	n >S						3.8E+02	n	4.6E+01	n	4.6E+03	n >S					
Diphenylamine	122-39-4	1.7E+03	n	9.6E+00	n	9.6E+02	n						1.7E+03	n	4.8E+00	n	4.8E+02	n					
Diphenylhydrazine, 1,2-	122-66-7	5.6E+00	c	3.2E-02	c	3.2E+00	c	1.4E+02	c	1.1E+05	c >S		5.4E+00	c	1.6E-02	c	1.6E+00	c	7.2E+01	c	7.0E+03	c	
Dipropylene glycol	110-98-5	8.0E+03	n	5.7E+00	n	5.7E+02	n						8.0E+03	n	2.8E+00	n	2.8E+02	n					
Diquat	85-00-7	1.5E+02	n	2.0E-01	m	2.0E+01	m						1.5E+02	n	1.0E-01	m	1.0E+01	m					
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	142-73-4	6.7E+02	n	4.7E-01	n	4.7E+01	n						6.7E+02	n	2.3E-01	n	2.3E+01	n					
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	928-72-3	6.7E+02	n	4.7E-01	n	4.7E+01	n						6.7E+02	n	2.3E-01	n	2.3E+01	n					
Disulfoton	298-04-4	2.7E+00	n	3.5E-01	n	3.5E+01	n						2.7E+00	n	1.8E-01	n	1.8E+01	n					
Diuron	330-54-1	1.3E+02	n	9.3E-01	n	9.3E+01	n						1.3E+02	n	4.6E-01	n	4.6E+01	n					
Dodecylphenol, 4-	27193-86-8	3.3E+03	n	1.0E+06	n >S	1.0E+06	n >S						3.3E+03	n	1.0E+06	n >S	1.0E+06	n >S					
Dodecylphenol, 4-	104-43-8	3.3E+03	n	1.0E+06	n >S	1.0E+06	n >S						3.3E+03	n	1.0E+06	n >S	1.0E+06	n >S					
Endosulfan	115-29-7	4.0E+02	n	4.6E+00	n	4.6E+02	n >S						4.0E+02	n	2.3E+00	n	2.3E+02	n >S					
Endosulfan I	959-98-8	9.1E+01	n	3.1E+01	n	3.1E+03	n >S						9.1E+01	n	1.5E+01	n	1.5E+03	n >S					
Endosulfan II	33213-65-9	2.7E+02	n	9.2E+01	n	9.2E+03	n >S						2.7E+02	n	4.6E+01	n	4.6E+03	n >S					
Endosulfan sulfate	1031-07-8	3.8E+02	n	4.7E+03	n >S	4.7E+05	n >S						3.8E+02	n	2.3E+03	n >S	2.3E+05	n >S					
Endothall	145-73-3	1.3E+03	n	5.3E-01	m	5.3E+01	m						1.3E+03	n	2.7E-01	m	2.7E+01	m					
Endrin	72-20-8	9.0E+00	n	7.5E-01	m	7.5E+01	m						9.0E+00	n	3.8E-01	m	3.8E+01	m					
Endrin aldehyde	7421-93-4	1.9E+01	n	6.3E+02	n	6.3E+04	n >S						1.9E+01	n	3.1E+02	n	3.1E+04	n >S					
Endrin ketone	53494-70-5	1.9E+01	n	5.1E+01	n	5.1E+03	n						1.9E+01	n	2.5E+01	n	2.5E+03	n					
Epichlorohydrin	106-89-8	2.5E+01	n	1.8E-01	c	1.8E+01	c	2.6E+01	n	1.4E+03	n		1.3E+01	n	9.2E-02	c	9.2E+00	c	1.4E+01	n	9.1E+01	n	
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	2104-64-5	6.7E-01	n	5.5E-02	n	5.5E+00	n						6.7E-01	n	2.7E-02	n	2.7E+00	n					
Esfenvalerate	66230-04-4	7.4E+01	n	1.2E+02	n >S	1.2E+04	n >S						7.4E+01	n	6.2E+01	n >S	6.2E+03	n >S					
Ethalfluralin (sonolan)	55283-68-6	4.7E+01	c	2.5E+01	c	2.5E+03	c						4.7E+01	c	1.2E+01	c	1.2E+03	c					
Ethanol	64-17-5	1.0E+06	n	1.6E+03	n	1.6E+05	n						1.0E+06	n	7.9E+02	n	7.9E+04	n					
Ethanol, 2-amino-	141-43-5	1.4E+02	n	8.0E-02	n	8.0E+00	n						1.4E+02	n	4.0E-02	n	4.0E+00	n					
Ethanol, 2-(2-aminoethoxy)-	929-06-6	4.1E+01	n	2.3E-02	n	2.3E+00	n						4.1E+01	n	1.2E-02	n	1.2E+00	n					
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	1.6E+05	n	1.6E+02	n	1.6E+04	n						1.6E+05	n	8.2E+01	n	8.2E+03	n					
Ethanol, 2-(methylamino)-	109-83-1	1.1E+03	n	7.5E-01	n	7.5E+01	n	6.4E+03	n	1.0E+06	n		9.4E+02	n	3.8E-01	n	3.8E+01	n	3.3E+03	n	1.3E+05	n	
Ethion	563-12-2	2.7E+01	n	7.6E+00	n	7.6E+02	n >S						2.7E+01	n	3.8E+00	n	3.8E+02	n >S					
Ethoprop	13194-48-4	6.7E+00	n	1.2E-01	n	1.2E+01	n						6.7E+00	n	6.2E-02	n	6.2E+00	n					
Ethoxy ethanol, 2-	110-80-5	2.8E+03	n	7.1E+01	n	7.1E+03	n >S	3.1E+03	n	3.6E+03	n >S		1.5E+03	n	3.6E+01	n	3.6E+03	n >S	1.6E+03	n	2.3E+02	n >S	
Ethyl acetate	141-78-6	7.4E+04	n	4.7E+01	n	4.7E+03	n						7.4E+04	n	2.4E+01	n	2.4E+03	n					
Ethyl acrylate	140-88-5	1.3E+02	c	1.2E-01	c	1.2E+01	c						1.3E+02	c	5.9E-02	c	5.9E+00	c					
Ethyl benzene	100-41-4	6.4E+03	n	7.6E+00	m	7.6E+02	m	2.9E+04	n	3.2E+05	n >S		5.3E+03	n	3.8E+00	m	3.8E+02	m	1.5E+04	n	2.1E+04	n >S	
Ethyl dipropylthiocarbamate, S-	759-94-4	1.7E+03	n	7.0E+00	n	7.0E+02	n						1.7E+03	n	3.5E+00	n	3.5E+02	n					

Table 1
Tier 1 Residential Soil PCLs[1]
May 24, 2011

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note 3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)
Ethyl ether	60-29-7	1.6E+04	n	1.1E+01	n	1.1E+03	n						1.6E+04	n	5.6E+00	n	5.6E+02	n					
Ethyl methacrylate	97-63-2	3.6E+03	n	7.5E+00	n	7.5E+02	n	7.1E+03	n	1.9E+05	n >S		2.4E+03	n	3.8E+00	n	3.8E+02	n	3.6E+03	n	1.3E+04	n	
Ethyl methanesulfonate	62-50-0	3.4E+01	c	1.8E-02	c	1.8E+00	c	1.2E+02	c	3.6E+04	c		2.7E+01	c	8.9E-03	c	8.9E-01	c	6.1E+01	c	2.3E+03	c	
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	637-92-3	8.0E+01	n	8.9E-02	n	8.9E+00	n	4.6E+03	n	4.0E+04	n >S		7.9E+01	n	4.5E-02	n	4.5E+00	n	2.4E+03	n	2.6E+03	n	
Ethyl-1-hexanol, 2-	104-76-7	1.0E+04	n	7.6E+01	n	7.6E+03	n						1.0E+04	n	3.8E+01	n	3.8E+03	n					
Ethyl-2-hexenal, 2-	645-62-5	1.2E+04	n	2.8E+01	n	2.8E+03	n						1.2E+04	n	1.4E+01	n	1.4E+03	n					
Ethyl-2-methyl benzene, 1-	611-14-3	5.6E+03	n	2.2E+02	n	2.2E+04	n >S	8.4E+03	n	4.2E+05	n >S		3.4E+03	n	1.1E+02	n	1.1E+04	n >S	4.3E+03	n	2.7E+04	n >S	
Ethyl-4-methyl benzene, 1-	622-96-8	5.0E+03	n	2.4E+02	n	2.4E+04	n >S	7.2E+03	n	3.4E+05	n >S		3.0E+03	n	1.2E+02	n	1.2E+04	n >S	3.7E+03	n	2.2E+04	n >S	
Ethylene*	74-85-1																						
Ethylene dibromide (dibromoethane, 1,2-)	106-93-4	7.3E-01	c	2.1E-04	m	2.1E-02	m	9.7E-01	c	2.3E+01	c		4.3E-01	c	1.0E-04	m	1.0E-02	m	5.0E-01	c	1.5E+00	c	
Ethylene glycol	107-21-1	1.3E+05	n	9.4E+01	n	9.4E+03	n						1.3E+05	n	4.7E+01	n	4.7E+03	n					
Ethylene oxide	75-21-8	2.2E+00	c	1.8E-03	c	1.8E-01	c	3.6E+00	c	8.4E+01	c		1.4E+00	c	9.0E-04	c	9.0E-02	c	1.8E+00	c	5.5E+00	c	
Ethylene thiourea	96-45-7	5.3E+00	n	3.3E-03	n	3.8E-01	n						5.3E+00	n	1.9E-03	n	1.9E-01	n					
Ethylenediamine	107-15-3	7.4E+03	n	4.6E+00	n	4.6E+02	n						7.4E+03	n	2.3E+00	n	2.3E+02	n					
Ethylenimine	151-56-4	5.5E-02	c	2.8E-05	c	2.8E-03	c	1.3E-01	c	2.8E+01	c		3.9E-02	c	1.4E-05	c	1.4E-03	c	6.8E-02	c	1.8E+00	c	
Ethylhexyl acrylate, 2-	103-11-7	9.8E+01	c	7.7E+00	c	7.7E+02	c						9.8E+01	c	3.8E+00	c	3.8E+02	c					
Famphur	52-85-7	2.0E+00	n	1.8E-03	n	1.8E-01	n						2.0E+00	n	9.1E-04	n	9.1E-02	n					
Fensulfothion	115-90-2	6.7E+01	n	3.5E-01	n	3.5E+01	n						6.7E+01	n	1.8E-01	n	1.8E+01	n					
Fenthion	55-38-9	4.7E+00	n	7.9E-02	n	7.9E+00	n						4.7E+00	n	3.9E-02	n	3.9E+00	n					
Fluoranthene	206-44-0	2.3E+03	n	1.9E+03	n >S	1.9E+05	n >S						2.3E+03	n	9.6E+02	n >S	9.6E+04	n >S					
Fluorene	86-73-7	2.3E+03	n	3.0E+02	n	3.0E+04	n >S						2.3E+03	n	1.5E+02	n	1.5E+04	n >S					
Fluorine (soluble fluoride)	7782-41-4	4.8E+03	n		m		m						4.8E+03	n		m		m					
Fluorochloridone	61213-25-0	5.0E+02	n	4.0E+00	n	4.0E+02	n						5.0E+02	n	2.0E+00	n	2.0E+02	n					
Fonofos	944-22-9	1.3E+02	n	7.1E+00	n	7.1E+02	n						1.3E+02	n	3.6E+00	n	3.6E+02	n					
Formaldehyde	50-00-0	9.3E+02	n	9.8E+00	n	9.8E+02	n	9.9E+02	n	1.7E+05	n		4.9E+02	n	4.9E+00	n	4.9E+02	n	5.1E+02	n	1.1E+04	n	
Formic acid	64-18-6	2.1E+02	n	4.2E+01	n	4.2E+03	n	2.1E+02	n	3.4E+04	n		1.1E+02	n	2.1E+01	n	2.1E+03	n	1.1E+02	n	2.2E+03	n	
Furan	110-00-9	8.2E+01	n	8.1E-02	n	8.1E+00	n						8.2E+01	n	4.1E-02	n	4.1E+00	n					
Furfural	98-01-1	2.5E+02	n	1.5E-01	n	1.5E+01	n						2.5E+02	n	7.4E-02	n	7.4E+00	n					
Glycidylaldehyde	765-34-4	2.7E+01	n	2.2E-02	n	2.2E+00	n	1.5E+02	n	3.3E+04	n		2.3E+01	n	1.1E-02	n	1.1E+00	n	7.7E+01	n	2.1E+03	n	
Glyphosate	1071-83-6	6.7E+03	n	2.9E+01	m	2.9E+03	m						6.7E+03	n	1.5E+01	m	1.5E+03	m					
Heptachlor	76-44-8	1.3E-01	c	1.9E-01	m	1.9E+01	m	9.1E+00	c	3.0E+03	c >S		1.3E-01	c	9.4E-02	m	9.4E+00	m	4.7E+00	c	1.9E+02	c >S	
Heptachlor epoxide	1024-57-3	2.4E-01	c	5.8E-02	m	5.8E+00	m	2.4E+01	c	3.5E+04	c >S		2.4E-01	c	2.9E-02	m	2.9E+00	m	1.2E+01	c	2.2E+03	c >S	
Heptane, n-	142-82-5	4.8E+03	n	7.2E+02	n	7.2E+04	n >S	2.8E+05	n	8.5E+05	n >S		4.7E+03	n	3.6E+02	n	3.6E+04	n >S	1.4E+05	n	5.5E+04	n >S	
Heptanoic acid, n-	111-14-8	1.2E+02	n	2.4E+01	n	2.4E+03	n	1.2E+02	n	3.2E+04	n >S		6.3E+01	n	1.2E+01	n	1.2E+03	n	6.3E+01	n	2.1E+03	n >S	
Hexachlorobenzene	118-74-1	1.1E+00	c	1.1E+00	m	1.1E+02	m >S	1.9E+01	c	6.4E+03	c >S		1.0E+00	c	5.6E-01	m	5.6E+01	m >S	9.8E+00	c	4.2E+02	c >S	
Hexachlorobutadiene	87-68-3	2.0E+01	c	3.3E+00	c	3.3E+02	c	2.9E+01	c	2.5E+03	c >S		1.2E+01	c	1.6E+00	c	1.6E+02	c	1.5E+01	c	1.6E+02	c	
Hexachlorocyclohexane, alpha (alpha-BHC)	319-84-6	2.6E-01	c	7.9E-03	c	7.9E-01	c	1.4E+01	c	8.4E+03	c >S		2.5E-01	c	4.0E-03	c	4.0E-01	c	7.2E+00	c	5.4E+02	c >S	
Hexachlorocyclohexane, beta (beta-BHC)	319-85-7	9.3E-01	c	2.9E-02	c	2.9E+00	c	7.2E+01	c	6.6E+04	c >S		9.2E-01	c	1.4E-02	c	1.4E+00	c	3.7E+01	c	4.2E+03	c >S	
Hexachlorocyclohexane, delta (delta-BHC)	319-86-8	2.9E+00	c	1.7E-01	c	1.7E+01	c	1.0E+02	c	1.2E+05	c >S		2.9E+00	c	8.7E-02	c	8.7E+00	c	5.2E+01	c	8.0E+03	c >S	
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	58-89-9	1.1E+00	c	9.2E-03	m	9.2E-01	m						1.1E+00	c	4.6E-03	m	4.6E-01	m					
Hexachlorocyclohexane, techn (technical-BHC)	608-73-1	1.3E+00	c	5.0E-02	c	5.0E+00	c	8.9E+01	c	9.7E+04	c >S		1.3E+00	c	2.5E-02	c	2.5E+00	c	4.6E+01	c	6.3E+03	c >S	
Hexachlorocyclopentadiene	77-47-4	1.4E+01	n	1.9E+01	m	1.9E+03	m >S	1.4E+01	n	2.1E+03	n >S		7.2E+00	n	9.6E+00	m	9.6E+02	m >S	7.3E+00	n	1.4E+02	n	
Hexachloroethane	67-72-1	6.7E+01	n	1.8E+00	n	1.8E+02	n	9.6E+02	c	1.1E+05	c >S		6.7E+01	n	9.2E-01	n	9.2E+01	n	5.0E+02	c	6.9E+03	c >S	
Hexachlorophene	70-30-4	2.0E+01	n	5.9E+03	n >S	5.9E+05	n >S						2.0E+01	n	2.9E+03	n >S	2.9E+05	n >S					
Hexachloropropylene	1888-71-7	6.7E+01	n	1.0E+01	n	1.0E+03	n	9.9E+02	c	1.8E+05	c >S		6.7E+01	n	5.2E+00	n	5.2E+02	n	5.1E+02	c	1.2E+04	c >S	
Hexanal, 2-ethyl-	123-05-7	1.0E+04	n	2.6E+01	n	2.6E+03	n						1.0E+04	n	1.3E+01	n	1.3E+03	n					
Hexane, n-	110-54-3	3.3E+03	n	2.0E+02	n	2.0E+04	n >S	1.0E+04	n	5.3E+03	n >S		2.5E+03	n	1.0E+02	n	1.0E+04	n >S	5.3E+03	n	3.4E+02	n	
Hexanediamine, 1,6-	124-09-4	4.1E+02	n	2.5E-01	n	2.5E+01	n						4.1E+02	n	1.2E-01	n	1.2E+01	n					
Hexanedinitrile	111-69-3	1.0E+02	n	6.8E-02	n	6.8E+00	n	9.8E+02	n	3.2E+05	n		9.3E-01	n	3.4E-02	n	3.4E+00	n	5.1E+02	n	2.1E+04	n	
Hexanediol, 1,6-	629-11-8	3.0E+05	n	2.6E+02	n	2.6E+04	n	1.0E+06	n	1.0E+06	n >S		2.8E+05	n	1.3E+02	n	1.3E+04	n	1.0E+06	n	1.0E+06	n >S	
Hexanoic acid	142-62-1	1.3E+02	n	3.0E+00	n	3.0E+02	n	1.4E+02	n	4.0E+04	n >S		6.9E+01	n	1.5E+00	n	1.5E+02	n	7.0E+01	n	2.6E+03	n	
Hexanone, 2-	591-78-6	2.7E+02	n	3.2E-01	n	3.2E+01	n	8.3E+02	n	3.0E+04	n		2.1E+02	n	1.6E-01	n	1.6E+01	n	4.2E+02	n	2.0E+03	n	

Table 1
Tier 1 Residential Soil PCLs[1]
May 24, 2011

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$ [2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$ [4] (mg/kg)	note3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$ [2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$ [4] (mg/kg)	note 3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)
Hexazinone	51235-04-2	2.2E+03	n	2.7E+00	n	2.7E+02	n						2.2E+03	n	1.4E+00	n	1.4E+02	n					
Hexene, 1-	592-41-6	1.6E+03	n	7.4E+02	n	7.4E+04	n	>S	1.7E+03	n	3.1E+03	n >S		8.4E+02	n	3.7E+02	n	3.7E+04	n	>S	8.7E+02	n	2.0E+02	n GW Ing	
Hexene, cis-2-	7688-21-3	1.6E+03	n	6.2E+02	n	6.2E+04	n	>S	1.7E+03	n	3.7E+03	n >S		8.4E+02	n	3.1E+02	n	3.1E+04	n	>S	8.7E+02	n	2.4E+02	n GW Ing	
Hexylene glycol (2-methyl-2,4-pentanediol)	107-41-5	2.0E+04	n	1.5E+01	n	1.5E+03	n						2.0E+04	n	7.4E+00	n	7.4E+02	n					
Hydrazine	302-01-2	3.8E-01	c	5.8E-04	c	5.8E-02	c		4.6E-01	c	9.8E+01	c	2.1E-01	c	2.9E-04	c	2.9E-02	c		2.4E-01	c	6.4E+00	c	
Hydrocaproic acid, 6- (6-hydroxyhexanoic acid)	1191-25-9	1.6E+02	n	3.0E+00	n	3.0E+02	n		1.6E+02	n	5.6E+04	n >S	8.1E+01	n	1.5E+00	n	1.5E+02	n		8.3E+01	n	4.1E+03	n	
Hydrogen chloride (hydrochloric acid)*	7647-01-0																							
Hydroquinone	123-31-9	7.8E+01	c	3.1E-02	c	3.1E+00	c						7.8E+01	c	1.6E-02	c	1.6E+00	c					
Indene	95-13-6	1.0E+02	n	7.1E+00	n	7.1E+02	n		1.1E+02	n	4.0E+03	n	5.6E+01	n	3.6E+00	n	3.6E+02	n		5.8E+01	n	2.6E+02	n	
Indeno-1,2,3-cd-pyrene	193-39-5	5.7E+00	c	1.7E+02	c	1.7E+04	c	>S	2.5E+04	c	1.0E+06	c >S	5.7E+00	c	8.7E+01	c	8.7E+03	c	>S	1.3E+04	c	1.0E+06	c >S	
Iron*	7439-89-6																							
Isoamyl alcohol	123-51-3	4.1E+02	n	3.2E-01	n	3.2E+01	n						4.1E+02	n	1.6E-01	n	1.6E+01	n					
Isobutyl alcohol	78-83-1	2.5E+04	n	1.6E+01	n	1.6E+03	n						2.5E+04	n	7.9E+00	n	7.9E+02	n					
Isobutylene (2-methyl-1-propene)	115-11-7	1.0E+06	n						1.0E+06	n	1.0E+06	n >S	8.7E+05	n						8.7E+05	n	1.2E+05	n >S	
Isobutyric acid (2-methylpropanoic acid)	79-31-2	3.3E+04	n	2.3E+01	n	2.3E+03	n						3.3E+04	n	1.2E+01	n	1.2E+03	n					
Isodecanol	25339-17-7	7.1E+01	n	3.0E+00	n	3.0E+02	n						7.1E+01	n	1.5E+00	n	1.5E+02	n					
Isodrin	465-73-6	2.7E-02	c	1.5E+00	c	1.5E+02	c		1.7E+00	c	9.4E+03	c >S	2.7E-02	c	7.4E-01	c	7.4E+01	c		9.0E-01	c	6.1E+02	c	
Isophorone	78-59-1	4.9E+03	c	3.0E+00	c	3.0E+02	c						4.9E+03	c	1.5E+00	c	1.5E+02	c					
Isopropyl acetate	108-21-4	5.7E+03	n	4.0E+00	n	4.0E+02	n						5.7E+03	n	2.0E+00	n	2.0E+02	n					
Isopropyl alcohol	67-63-0	1.6E+04	n	1.0E+01	n	1.0E+03	n						1.6E+04	n	5.0E+00	n	5.0E+02	n					
Isosafrole	120-58-1	1.7E+01	c	1.3E-01	c	1.3E+01	c		9.1E+01	c	1.3E+04	c >S	1.5E+01	c	6.5E-02	c	6.5E+00	c		4.7E+01	c	8.6E+02	c	
Kelthane (dicofol)	115-32-2	2.7E+02	n	7.4E+01	n	7.4E+03	n	>S					2.7E+02	n	3.7E+01	n	3.7E+03	n	>S					
Kepone (chlordecone)	143-50-0	3.6E-01	c	9.9E-02	c	9.9E+00	c		4.9E+01	c	2.5E+05	c >S	3.5E-01	c	4.9E-02	c	4.9E+00	c		2.5E+01	c	1.6E+04	c >S	
Lead (inorganic)	7439-92-1	5.0E+02	n	3.0E+00	a	>S	3.0E+02	a	>S				5.0E+02	n	1.5E+00	a	>S	1.5E+02	a	>S					
Leptophos	21609-90-5	1.7E-01	n	6.4E-01	n	6.4E+01	n	>S	3.3E+01	n	3.4E+05	n >S	1.7E-01	n	3.2E-01	n	3.2E+01	n	>S	1.7E+01	n	2.2E+04	n >S	
Limonene, d-*	5989-27-5																							
Lithium[5]	7439-93-2	1.3E+02	n		n		n						1.3E+02	n		n		n						
Magnesium*	7439-95-4																							
Malathion	121-75-5	1.7E+02	n	6.6E+00	n	6.6E+02	n		2.0E+02	n	1.2E+05	n >S	9.6E+01	n	3.3E+00	n	3.3E+02	n		1.0E+02	n	8.0E+03	n >S	
Maleic anhydride	108-31-6	6.7E+03	n	7.2E+00	n	7.2E+02	n						6.7E+03	n	3.6E+00	n	3.6E+02	n					
Maleic hydrazide	123-33-1	3.3E+04	n	3.6E+01	n	3.6E+03	n						3.3E+04	n	1.8E+01	n	1.8E+03	n					
Malononitrile	109-77-3	6.7E+00	n	5.2E-03	n	5.2E-01	n						6.7E+00	n	2.6E-03	n	2.6E-01	n					
Mancozeb	8018-01-7	2.0E+03	n	1.8E+00	n	1.8E+02	n	>S					2.0E+03	n	9.0E-01	n	9.0E+01	n	>S				
Manganese	7439-96-5	3.7E+03	n	1.2E+03	n	>S	1.2E+05	n	>S			5.0E+01	3.4E+03	n	5.8E+02	n	>S	5.8E+04	n	>S				2.5E+01
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	94-74-6	3.3E+01	n	2.3E-02	n		2.3E+00	n					3.3E+01	n	1.2E-02	n		1.2E+00	n					
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	7085-19-0/ 93-65-2	6.7E+01	n	4.7E-02	n	4.7E+00	n						6.7E+01	n	2.3E-02	n	2.3E+00	n					
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	93-65-2	6.7E+01	n	4.7E-02	n	4.7E+00	n						6.7E+01	n	2.3E-02	n	2.3E+00	n					
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	7085-19-0	6.7E+01	n	4.7E-02	n	4.7E+00	n						6.7E+01	n	2.3E-02	n	2.3E+00	n					
Mercuric chloride (pH = 4.9)	7487-94-7	3.6E+00	n	7.8E-03	m	7.8E-01	m	>S	4.6E+00	n	2.8E+01	n >S	2.1E+00	n	3.9E-03	m	3.9E-01	m	>S	2.4E+00	n	1.8E+00	n >S	
Mercuric chloride (pH = 6.8)	7487-94-7	8.3E+00	n	2.1E+00	m	2.1E+02	m	>S	1.6E+01	n	7.6E+03	n >S	5.5E+00	n	1.0E+00	m	1.0E+02	m	>S	8.0E+00	n	4.9E+02	n >S	
Mercury (pH = 4.9)[6]	7439-97-6	3.6E+00	n	7.8E-03	m	7.8E-01	m	>S	4.6E+00	n	2.8E+01	n >S	2.1E+00	n	3.9E-03	m	3.9E-01	m	>S	2.4E+00	n	1.8E+00	n >S	
Merphos	150-50-5	2.0E+00	n	6.5E+00	n	6.5E+02	n	>S					2.0E+00	n	3.2E+00	n	3.2E+02	n	>S					
Methacrylic acid (2-methyl-2-propenoic acid)	79-41-4	8.2E+02	n	4.7E-01	n	4.7E+01	n						8.2E+02	n	2.3E-01	n	2.3E+01	n					
Methacrylonitrile	126-98-7	8.2E+00	n	5.0E-03	n	5.0E-01	n						8.2E+00	n	2.5E-03	n	2.5E-01	n					
Methanol	67-56-1	4.1E+04	n	2.4E+01	n	2.4E+03	n						4.1E+04	n	1.2E+01	n	1.2E+03	n					
Methapyrilene	91-80-5	1.0E+00	c	5.3E-04	c	5.3E-02	c						1.0E+00	c	2.6E-04	c	2.6E-02	c					
Methomyl	16752-77-5	1.7E+03	n	5.1E+00	n	5.1E+02	n						1.7E+03	n	2.5E+00	n	2.5E+02	n					
Methoxychlor	72-43-5	2.7E+02	n	1.2E+02	m	1.2E+04	m	>S					2.7E+02	n	6.2E+01	m	6.2E+03	m	>S				
Methoxyethanol, 2-	109-86-4	1.4E+02	n	4.0E-01	n	4.0E+01	n		3.1E+02	n	4.5E+02	n >S	9.6E+01	n	2.0E-01	n	2.0E+01	n		1.6E+02	n	2.9E+01	n	
Methyl acetate (acetic acid, methyl ester)	79-20-9	8.2E+04	n	4.9E+01	n	4.9E+03	n						8.2E+04	n	2.4E+01	n	2.4E+03	n					

Table 1
Tier 1 Residential Soil PCLs[1]
May 24, 2011

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note 3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)
Methyl acrylate	96-33-3	1.6E+02	n	1.0E-01	n	1.0E+01	n						1.6E+02	n	5.2E-02	n	5.2E+00	n					
Methyl amyl ketone (2-heptanone)	110-43-0	3.9E+03	n	4.7E+00	n	4.7E+02	n	1.1E+05	n	1.0E+06	n >S		3.8E+03	n	2.4E+00	n	2.4E+02	n	5.7E+04	n	2.8E+05	n >S	
Methyl chrysene, 1-	3351-28-8	5.8E+02	c	2.2E+04	c >S	1.0E+06	c >S	1.0E+06	c	1.0E+06	c >S		5.8E+02	c	1.1E+04	c >S	1.0E+06	c >S	1.0E+06	c	1.0E+06	c >S	
Methyl chrysene, 2-	3351-32-4	5.8E+02	c	2.2E+04	c >S	1.0E+06	c >S	1.0E+06	c	1.0E+06	c >S		5.8E+02	c	1.1E+04	c >S	1.0E+06	c >S	1.0E+06	c	1.0E+06	c >S	
Methyl chrysene, 6-	1705-85-7	5.7E+01	c	1.8E+03	c >S	1.8E+05	c >S	2.3E+05	c	1.0E+06	c >S		5.7E+01	c	8.8E+02	c >S	8.8E+04	c >S	1.2E+05	c	1.0E+06	c >S	
Methyl cyclohexane	108-87-2	4.1E+04	n	1.6E+04	n >S	1.0E+06	n >S	4.6E+04	n	1.8E+05	n >S		2.2E+04	n	7.8E+03	n >S	7.8E+05	n >S	2.4E+04	n	1.2E+04	n >S	
Methyl ethyl ketone (2-butanone)	78-93-3	4.0E+04	n	2.9E+01	n	2.9E+03	n	2.0E+05	n	1.0E+06	n >S		3.3E+04	n	1.5E+01	n	1.5E+03	n	1.0E+05	n	6.2E+05	n >S	
Methyl iodide (iodomethane)	74-88-4	1.1E+02	n	1.1E-01	n	1.1E+01	n						1.1E+02	n	5.7E-02	n	5.7E+00	n					
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	5.9E+03	n	4.9E+00	n	4.9E+02	n	5.8E+04	n	1.0E+06	n >S		5.4E+03	n	2.5E+00	n	2.5E+02	n	3.0E+04	n	1.1E+05	n >S	
Methyl mercury	22967-92-6	8.0E+00	n		n		n						8.0E+00	n		n		n					
Methyl methacrylate	80-62-6	9.8E+03	n	9.8E+01	n	9.8E+03	n	1.1E+04	n	2.3E+05	n >S		5.3E+03	n	4.9E+01	n	4.9E+03	n	5.5E+03	n	1.5E+04	n	
Methyl methanesulfonate	66-27-3	3.3E+01	c	1.8E-02	c	1.8E+00	c	1.1E+02	c	3.2E+04	c		2.6E+01	c	8.9E-03	c	8.9E-01	c	5.7E+01	c	2.1E+03	c	
Methyl parathion	298-00-0	1.7E+01	n	1.7E-01	n	1.7E+01	n						1.7E+01	n	8.5E-02	n	8.5E+00	n					
Methyl-1-butene, 2-	563-46-2	4.8E+03	n	6.5E+01	n	6.5E+03	n >S	2.8E+05	n	3.4E+05	n >S		4.7E+03	n	3.2E+01	n	3.2E+03	n >S	1.4E+05	n	2.2E+04	n >S	
Methyl-1-propanal, 2- (isobutyraldehyde)	78-84-2	3.3E+03	n	2.1E+00	n	2.1E+02	n						3.3E+03	n	1.0E+00	n	1.0E+02	n					
Methyl-2-butene, 2-	513-35-9	4.8E+03	n	3.9E+01	n	3.9E+03	n	2.8E+05	n	4.0E+05	n >S		4.7E+03	n	1.9E+01	n	1.9E+03	n	1.4E+05	n	2.6E+04	n >S	
Methyl-2-pentenal, 2-	623-36-9	3.2E+00	c	1.5E-03	c	1.5E-01	c						3.2E+00	c	7.3E-04	c	7.3E-02	c					
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	99-55-8	1.4E+02	c	1.4E-01	c	1.4E+01	c						1.4E+02	c	7.1E-02	c	7.1E+00	c					
Methylcholanthrene, 3-	56-49-5	1.9E-01	c	1.5E+01	c	1.5E+03	c >S	1.8E+03	c	1.0E+06	c >S		1.9E-01	c	7.6E+00	c	7.6E+02	c >S	9.0E+02	c	1.0E+06	c >S	
Methylene bromide (dibromomethane)	74-95-3	8.1E+01	n	1.1E+00	c	1.1E+02	c	8.2E+01	n	2.2E+03	n		4.2E+01	n	5.6E-01	c	5.6E+01	c	4.2E+01	n	1.4E+02	n	
Methylene chloride (dichloromethane)	75-09-2	3.9E+02	c	1.3E-02	m	1.3E+00	m	7.6E+02	c	3.3E+03	c		2.6E+02	c	6.5E-03	m	6.5E-01	m	3.9E+02	c	2.2E+02	c	
Methylene-bis (2-chloroaniline) 4,4'-	101-14-4	4.6E+01	c	2.9E+00	c	2.9E+02	c	2.7E+03	c	1.0E+06	c >S		4.5E+01	c	1.4E+00	c	1.4E+02	c	1.4E+03	c	4.1E+05	c >S	
Methylmecury hydroxide	1184-57-2	6.7E+00	n	4.8E-03	n	4.8E-01	n						6.7E+00	n	2.4E-03	n	2.4E-01	n					
Methylnaphthalene, 1-	90-12-0	1.5E+02	c	2.9E+00	c	2.9E+02	c						1.5E+02	c	1.5E+00	c	1.5E+02	c					
Methylnaphthalene, 2-	91-57-6	2.5E+02	n	1.7E+01	n	1.7E+03	n						2.5E+02	n	8.5E+00	n	8.5E+02	n					
Methylpyrrolidone, N-	872-50-4	1.3E+03	n	9.6E-01	n	9.6E+01	n						1.3E+03	n	4.8E-01	n	4.8E+01	n					
Methyltetrahydrofuran, 2-	96-47-9	1.5E+02	c	2.7E-01	c	2.7E+01	c	1.9E+02	c	4.2E+03	c		8.6E+01	c	1.4E-01	c	1.4E+01	c	9.7E+01	c	2.7E+02	c	
Methyltetrahydropyran, 2-	10141-72-7	1.7E+02	c	3.3E-01	c	3.3E+01	c	2.2E+02	c	5.7E+03	c		9.8E+01	c	1.6E-01	c	1.6E+01	c	1.1E+02	c	3.7E+02	c	
Metolachlor	51218-45-2	1.0E+04	n	1.1E+02	n	1.1E+04	n						1.0E+04	n	5.5E+01	n	5.5E+03	n					
Metribuzin	21087-64-9	1.7E+03	n	1.2E+00	n	1.2E+02	n						1.7E+03	n	6.1E-01	n	6.1E+01	n					
Mirex	2385-85-5	1.3E+01	n	4.5E+03	n >S	4.5E+05	n >S						1.3E+01	n	2.2E+03	n >S	2.2E+05	n >S					
Molinate	2212-67-1	1.3E+02	n	1.9E-01	n	1.9E+01	n						1.3E+02	n	9.6E-02	n	9.6E+00	n					
Molybdenum	7439-98-7	1.6E+02	n	4.9E+01	n >S	4.9E+03	n >S						1.6E+02	n	2.5E+01	n >S	2.5E+03	n >S					
Monocrotophos	2157-98-4	4.0E+01	n	2.9E-02	n	2.9E+00	n						4.0E+01	n	1.5E-02	n	1.5E+00	n					
Morpholine	110-91-8	1.0E+06	n	2.4E+04	n	1.0E+06	n						1.0E+06	n	1.2E+04	n	1.0E+06	n					
MTBE (methyl tert-butyl ether)[7]	1634-04-4	8.0E+02	n	6.2E-01	n	6.2E+01	n	1.4E+03	c	1.0E+04	c	3.8E-02	5.9E+02	c	3.1E-01	n	3.1E+01	n	7.1E+02	c	6.6E+02	c	1.9E-02
Naled	300-76-5	1.3E+02	n	3.5E-01	n	3.5E+01	n >S						1.3E+02	n	1.8E-01	n	1.8E+01	n >S					
Naphthalene	91-20-3	2.2E+02	n	3.1E+01	n	3.1E+03	n >S	2.7E+02	n	2.0E+04	n >S		1.2E+02	n	1.6E+01	n	1.6E+03	n >S	1.4E+02	n	1.3E+03	n >S	
Naphthoquinone, 1,4-	130-15-4	4.7E+02	n	4.6E-01	n	4.6E+01	n						4.7E+02	n	2.3E-01	n	2.3E+01	n					
Naphthylamine, 1-	134-32-7	1.3E+03	n	9.4E+00	n	9.4E+02	n						1.3E+03	n	4.7E+00	n	4.7E+02	n					
Naphthylamine, 2-	91-59-8	2.6E+00	c	1.3E-02	c	1.3E+00	c						2.6E+00	c	6.4E-03	c	6.4E-01	c					
Napropamide	15299-99-7	6.7E+03	n	5.5E+02	n	5.5E+04	n >S						6.7E+03	n	2.7E+02	n	2.7E+04	n >S					
Neopentyl glycol	126-30-7	2.0E+04	n	1.5E+01	n	1.5E+03	n						2.0E+04	n	7.3E+00	n	7.3E+02	n					
Nickel and compounds	7440-02-0	8.4E+02	n	1.6E+02	n >S	1.6E+04	n >S						8.3E+02	n	7.9E+01	n >S	7.9E+03	n >S					
Nitrate	14797-55-8	1.3E+05	n	1.9E+01	m	1.9E+03	m						1.3E+05	n	9.6E+00	m	9.6E+02	m					
Nitrite	14797-65-0	8.0E+03	n		m		m						8.0E+03	n		m		m					
Nitroaniline, 2-	88-74-4	1.4E+01	n	2.2E-02	n	2.2E+00	n	4.8E+01	n	1.2E+04	n >S		1.1E+01	n	1.1E-02	n	1.1E+00	n	2.4E+01	n	7.7E+02	n	
Nitroaniline, 3-	99-09-2	1.5E+01	n	2.6E-02	n	2.6E+00	n	6.0E+01	n	1.7E+04	n >S		1.2E+01	n	1.3E-02	n	1.3E+00	n	3.1E+01	n	1.1E+03	n >S	
Nitroaniline, 4-	100-01-6	2.2E+02	n	1.1E-01	c	1.1E+01	c	1.2E+03	n	3.4E+05	n >S		1.9E+02	n	5.4E-02	c	5.4E+00	c	6.2E+02	n	2.2E+04	n >S	
Nitrobenzene	98-95-3	6.6E+01	c	3.5E-01	n	3.5E+01	n	6.6E+01	c	5.2E+03	c		3.4E+01	c	1.8E-01	n	1.8E+01	n	3.4E+01	c	3.4E+02	c	
Nitroglycerin	55-63-0	6.7E+00	n	1.4E-02	n	1.4E+00	n						6.7E+00	n	6.9E-03	n	6.9E-01	n					
Nitrophenol, 2-	88-75-5	1.3E+02	n	1.3E-01	n	1.3E+01	n						1.3E+02	n	6.7E-02	n	6.7E+00	n					
Nitrophenol, 3-	554-84-7	1.3E+02	n	2.3E-01	n	2.3E+01	n						1.3E+02	n	1.1E-01	n	1.1E+01	n					

Table 1
Tier 1 Residential Soil PCLs[1]
May 24, 2011

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note 3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	$^{GW}Soil$ for Secondary MCL (mg/kg)
Nitrophenol, 4-	100-02-7	1.3E+02	n	1.0E-01	n	1.0E+01	n						1.3E+02	n	5.0E-02	n	5.0E+00	n					
Nitropropane, 2-	79-46-9	1.3E-01	c	7.1E-03	n	7.1E-01	n	1.3E-01	c	3.6E+00	c		6.8E-02	c	3.5E-03	n	3.5E-01	n	6.8E-02	c	2.3E-01	c	
Nitroquinoline-N-oxide, 4-	56-57-5	4.0E-01	c	2.3E-04	c	2.3E-02	c	1.9E+00	c	2.7E+04	c		3.3E-01	c	1.2E-04	c	1.2E-02	c	9.7E-01	c	1.3E+04	c	
Nitrosodiethanolamine	1116-54-7	1.7E+00	c	6.6E-04	c	6.6E-02	c						1.7E+00	c	3.3E-04	c	3.3E-02	c					
Nitrosodiethylamine, n-	55-18-5	2.5E-02	c	1.2E-05	c	1.2E-03	c	6.6E-02	c	1.5E+01	c		1.8E-02	c	6.2E-06	c	6.2E-04	c	3.4E-02	c	9.7E-01	c	
Nitrosodimethylamine, n-	62-75-9	7.4E-02	c	3.7E-05	c	3.7E-03	c	2.0E-01	c	4.2E+01	c		5.5E-02	c	1.8E-05	c	1.8E-03	c	1.0E-01	c	2.7E+00	c	
Nitrosodi-n-butylamine, n-	924-16-3	4.7E-01	c	1.9E-03	c	1.9E-01	c	1.0E+00	c	5.2E+01	c		3.3E-01	c	9.4E-04	c	9.4E-02	c	5.3E-01	c	3.4E+00	c	
Nitrosodi-n-propylamine, n-	621-64-7	4.0E-01	c	3.5E-04	c	3.5E-02	c						4.0E-01	c	1.8E-04	c	1.8E-02	c					
Nitrosodiphenylamine	86-30-6	5.7E+02	c	2.8E+00	c	2.8E+02	c						5.7E+02	c	1.4E+00	c	1.4E+02	c					
Nitroso-methyl-ethyl-amine, n-	10595-95-6	2.8E-01	c	1.1E-04	c	1.1E-02	c						2.8E-01	c	5.7E-05	c	5.7E-03	c					
Nitrosomorpholine, N-	59-89-2	5.0E-01	c	2.6E-04	c	2.6E-02	c	1.7E+00	c	5.2E+02	c		3.9E-01	c	1.3E-04	c	1.3E-02	c	8.8E-01	c	3.4E+01	c	
Nitroso-n-ethylurea, n-	759-73-9	3.4E-02	c	2.1E-05	c	2.1E-03	c						3.4E-02	c	1.0E-05	c	1.0E-03	c					
Nitrosopiperidine, N-	100-75-4	3.6E-01	c	2.1E-04	c	mql 2.1E-02	c	1.3E+00	c	3.5E+02	c		2.9E-01	c	1.0E-04	c	mql 1.0E-02	c	6.9E-01	c	2.3E+01	c	
Nitrosopyrrolidine, n-	930-55-2	1.6E+00	c	8.4E-04	c	8.4E-02	c	5.8E+00	c	1.9E+03	c		1.3E+00	c	4.2E-04	c	4.2E-02	c	3.0E+00	c	1.2E+02	c	
Nitrotoluene, m-	99-08-1	6.7E+02	n	1.8E+00	n	1.8E+02	n						6.7E+02	n	9.2E-01	n	9.2E+01	n					
Nitrotoluene, o-	88-72-2	2.1E+01	c	3.1E-02	c	3.1E+00	c						2.1E+01	c	1.6E-02	c	1.6E+00	c					
Nitrotoluene, p-	99-99-0	2.7E+02	n	4.3E-01	c	4.3E+01	c						2.7E+02	n	2.2E-01	c	2.2E+01	c					
Nonachlor, cis-	5103-73-1	5.6E+00	c	1.3E+01	c	1.3E+03	c >S	1.2E+03	c	1.0E+06	c >S		5.6E+00	c	6.3E+00	c	6.3E+02	c >S	6.4E+02	c	2.4E+05	c >S	
Nonachlor, trans-	39765-80-5	5.6E+00	c	1.3E+01	c	1.3E+03	c >S	1.2E+03	c	1.0E+06	c >S		5.6E+00	c	6.3E+00	c	6.3E+02	c >S	6.4E+02	c	2.4E+05	c >S	
Nonanal	124-19-6	1.3E+04	n	1.5E+02	n	1.5E+04	n >S						1.3E+04	n	7.4E+01	n	7.4E+03	n >S					
Nonene, 1-n	124-11-8	8.2E+03	n	3.3E+03	n >S	3.3E+05	n >S						8.2E+03	n	1.6E+03	n >S	1.6E+05	n >S					
Nonylphenol	104-40-5	6.5E+03	n	3.0E+05	n >S	1.0E+06	n >S						6.5E+03	n	1.5E+05	n >S	1.0E+06	n >S					
Nonylphenol	25154-52-3	6.5E+03	n	3.0E+05	n >S	1.0E+06	n >S						6.5E+03	n	1.5E+05	n >S	1.0E+06	n >S					
Nonylphenol	84852-15-3	6.5E+03	n	3.0E+05	n >S	1.0E+06	n >S						6.5E+03	n	1.5E+05	n >S	1.0E+06	n >S					
Nonylphenol ethoxylate	9016-45-9	8.0E+03	n	7.5E+05	n >S	1.0E+06	n >S						8.0E+03	n	3.7E+05	n >S	1.0E+06	n >S					
Octamethylpyrophosphoramide	152-16-9	1.3E+02	n	9.4E-02	n	9.4E+00	n						1.3E+02	n	4.7E-02	n	4.7E+00	n					
Octanone	106-68-3	4.9E+03	n	1.1E+01	n	1.1E+03	n	9.0E+05	n	1.0E+06	n >S		4.9E+03	n	5.5E+00	n	5.5E+02	n	4.6E+05	n	1.0E+06	n >S	
Oxamyl	23135-22-0	1.7E+03	n	4.2E-01	m	4.2E+01	m						1.7E+03	n	2.1E-01	m	2.1E+01	m					
Oxychlordane	27304-13-8	5.6E+00	c	1.3E+01	c	1.3E+03	c >S	1.2E+03	c	1.0E+06	c >S		5.6E+00	c	6.3E+00	c	6.3E+02	c >S	6.4E+02	c	2.4E+05	c >S	
Paraquat	1910-42-5	3.0E+02	n	2.1E-01	n	2.1E+01	n						3.0E+02	n	1.1E-01	n	1.1E+01	n					
Parathion (ethyl parathion)	56-38-2	4.0E+02	n	3.3E+01	n	3.3E+03	n >S						4.0E+02	n	1.7E+01	n	1.7E+03	n >S					
Pebulate	1114-71-2	3.3E+03	n	2.3E+01	n	2.3E+03	n >S						3.3E+03	n	1.2E+01	n	1.2E+03	n >S					
Pendimethalin	40487-42-1	2.5E+03	n	7.5E+03	n >S	7.5E+05	n >S						2.5E+03	n	3.7E+03	n >S	3.7E+05	n >S					
Pentachlorobenzene	608-93-5	5.3E-01	n	2.5E+01	n	2.5E+03	n >S						5.3E+01	n	1.2E+01	n	1.2E+03	n >S					
Pentachloroethane	76-01-7	3.9E+01	c	9.7E-02	c	9.7E+00	c	9.4E+01	c	2.8E+03	c		2.8E+01	c	4.8E-02	c	4.8E+00	c	4.8E+01	c	1.8E+02	c	
Pentachloronitrobenzene	82-68-8	1.0E+01	c	1.8E+00	c	1.8E+02	c >S						1.0E+01	c	9.2E-01	c	9.2E+01	c >S					
Pentachlorophenol	87-86-5	7.3E-01	c	1.8E-02	m	1.8E+00	m						7.3E-01	c	9.2E-03	m	9.2E-01	m					
Pentadiene, 1,3-cis-	1574-41-0	4.8E+03	n	1.9E+01	n	1.9E+03	n	2.8E+05	n	5.5E+05	n >S		4.7E+03	n	9.4E+00	n	9.4E+02	n	1.4E+05	n	3.6E+04	n >S	
Pentadiene, 1,3-trans-	2004-70-8	4.8E+03	n	1.3E+01	n	1.3E+03	n	2.8E+05	n	6.7E+05	n >S		4.7E+03	n	6.5E+00	n	6.5E+02	n	1.4E+05	n	4.3E+04	n >S	
Pentaerythritol tetranitrate (PETN)	78-11-5	1.3E+02	n	1.2E+01	n	1.2E+03	n						1.3E+02	n	6.2E+00	n	6.2E+02	n					
Pentane	109-66-0	1.2E+04	n	4.0E+03	n	4.0E+05	n >S	1.5E+04	n	3.4E+03	n 3W Ing		6.9E+03	n	2.0E+03	n	2.0E+05	n >S	7.9E+03	n	2.2E+02	n 3W Ing	
Pentane, 2-methyl-	107-83-5	4.8E+03	n	3.8E+02	n	3.8E+04	n >S	2.8E+05	n	4.5E+05	n >S		4.7E+03	n	1.9E+02	n	1.9E+04	n >S	1.4E+05	n	2.9E+04	n >S	
Pentane, 3-methyl-	96-14-0	4.8E+03	n	3.1E+02	n	3.1E+04	n >S	2.8E+05	n	4.7E+05	n >S		4.7E+03	n	1.6E+02	n	1.6E+04	n >S	1.4E+05	n	3.1E+04	n >S	
Pentanediol, 1,5-	111-29-5	3.0E+05	n	2.4E+02	n	2.4E+04	n	1.0E+06	n	1.0E+06	n >S		2.7E+05	n	1.2E+02	n	1.2E+04	n	1.0E+06	n	1.0E+06	n >S	
Pentanol, 1-	71-41-0	2.7E+03	n	2.3E+00	n	2.3E+02	n						2.7E+03	n	1.1E+00	n	1.1E+02	n					
Pentanol, 4-methyl-2-	108-11-2	2.1E+03	n	1.8E+00	n	1.8E+02	n						2.1E+03	n	8.8E-01	n	8.8E+01	n					
Pentanone, 2-	107-87-9	3.3E+03	n	2.2E+00	n	2.2E+02	n						3.3E+03	n	1.1E+00	n	1.1E+02	n					
Pentene, 2-	109-68-2	4.8E+03	n	4.7E+01	n	4.7E+03	n	2.8E+05	n	4.5E+05	n >S		4.7E+03	n	2.3E+01	n	2.3E+03	n	1.4E+05	n	2.9E+04	n >S	
Pentyne, 1-	627-19-0	4.8E+03	n	1.3E+01	n	1.3E+03	n	2.8E+05	n	6.2E+05	n >S		4.7E+03	n	6.3E+00	n	6.3E+02	n	1.4E+05	n	4.0E+04	n >S	
Perchlorate	14797-73-0	5.1E+01	n	1.4E-01	n	1.4E+01	n						5.1E+01	n	7.0E-02	n	7.0E+00	n					
Perylene	198-55-0	1.3E+03	n	7.6E+04	n >S	1.0E+06	n >S						1.3E+03	n	3.8E+04	n >S	1.0E+06	n >S					
Phenacetin	62-44-2	1.8E+03	c	1.2E+00	c	1.2E+02	c	1.1E+04	c	1.0E+06	c >S		1.5E+03	c	6.2E-01	c	6.2E+01	c	5.6E+03	c	2.3E+05	c >S	
Phenanthrene	85-01-8	1.7E+03	n	4.2E+02	n	4.2E+04	n >S						1.7E+03	n	2.1E+02	n	2.1E+04	n >S					

Table 1
Tier 1 Residential Soil PCLs[1]
May 24, 2011

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	^{GW}Soil for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note3	$^{GW}Soil_{Ing}$ (mg/kg)	note3	$^{GW}Soil_{Class3}$ (mg/kg)	note3	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note 3	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note3	^{GW} Soil for Secondary MCL (mg/kg)
Phenanthridine	229-87-8	2.0E+02	n	5.3E+00	n	5.3E+02	n						2.0E+02	n	2.6E+00	n	2.6E+02	n					
Phenol	108-95-2	2.0E+04	n	1.9E+01	n	1.9E+03	n						2.0E+04	n	9.6E+00	n	9.6E+02	n					
Phenol, 4-tert-butyl-	98-54-4	3.3E+02	n	4.5E+00	n	4.5E+02	n						3.3E+02	n	2.3E+00	n	2.3E+02	n					
Phenothiazine	92-84-2	6.3E+01	n	8.0E+00	n >S	8.0E+02	n >S						6.3E+01	n	4.0E+00	n >S	4.0E+02	n >S					
Phenyl mercuric acetate	62-38-4	5.3E+00	n	1.6E-02	n	1.6E+00	n						5.3E+00	n	8.1E-03	n	8.1E-01	n					
Phenylene diamine, m-	108-45-2	4.0E+02	n	2.9E-01	n	2.9E+01	n						4.0E+02	n	1.4E-01	n	1.4E+01	n					
Phenylene diamine, p-	106-50-3	1.3E+04	n	9.1E+00	n	9.1E+02	n						1.3E+04	n	4.6E+00	n	4.6E+02	n					
Phorate	298-02-2	1.3E+01	n	1.1E+00	n	1.1E+02	n						1.3E+01	n	5.4E-01	n	5.4E+01	n					
Phosalone	2310-17-0	1.3E+02	n	2.3E+00	n	2.3E+02	n						1.3E+02	n	1.2E+00	n	1.2E+02	n					
Phosdrin (mevinphos)	7786-34-7	1.7E+00	n	1.2E-03	n	1.2E-01	n						1.7E+00	n	5.9E-04	n	5.9E-02	n					
Phosmet	732-11-6	1.3E+03	n	4.1E+00	n	4.1E+02	n						1.3E+03	n	2.0E+00	n	2.0E+02	n					
Phosphine	7803-51-2	3.8E+00	n		n		n	4.6E+00	n		n	3W Ing	2.1E+00	n		n		n	2.4E+00	n		n	3W Ing
Phosphorothioic acid, S,S,S-tributyl ester	78-48-8	6.6E+01	c	4.3E+02	c >S	4.3E+04	c >S						6.6E+01	c	2.2E+02	c >S	2.2E+04	c >S					
Phosphorus, total*	7723-14-0																						
Phosphorus, white	7723-14-0	1.5E+00	n	2.3E-02	n	2.3E+00	n						1.5E+00	n	1.1E-02	n	1.1E+00	n					
Phthalic anhydride	85-44-9	3.6E+04	n	2.5E+02	n	2.5E+04	n	5.0E+04	n	1.0E+06	n >S		2.1E+04	n	1.2E+02	n	1.2E+04	n	2.6E+04	n	1.0E+06	n >S	
Picloram	1918-02-1	4.7E+03	n	9.8E-01	m	9.8E+01	m						4.7E+03	n	4.9E-01	m	4.9E+01	m					
Picoline, 2- (2-methylpyridine)	109-06-8	7.4E+02	n	5.6E-01	n	5.6E+01	n						7.4E+02	n	2.8E-01	n	2.8E+01	n					
Polybrominated biphenyls (PBBs)	67774-32-7	9.7E-03	c	9.0E-03	c	9.0E-01	c						9.7E-03	c	4.5E-03	c	4.5E-01	c					
Polychlorinated biphenyls (PCBs)	1336-36-3	1.1E+00	n	1.1E+01	m	1.1E+03	m	5.4E+01	c	6.2E+04	c >S		1.1E+00	n	5.3E+00	m	5.3E+02	m	2.8E+01	c	4.0E+03	c >S	
Potassium*	7440-09-27																						
Primene	68955-53-3	3.6E+02	n	5.4E+01	n	5.4E+03	n						3.6E+02	n	2.7E+01	n	2.7E+03	n					
Prometon (pramitol)	1610-18-0	1.0E+03	n	9.6E+00	n	9.6E+02	n						1.0E+03	n	4.8E+00	n	4.8E+02	n					
Pronamide	23950-58-5	5.0E+03	n	1.8E+01	n	1.8E+03	n >S						5.0E+03	n	9.1E+00	n	9.1E+02	n >S					
Propanal (propionaldehyde)	123-38-6	1.0E+02	n	3.9E-01	n	3.9E+01	n	1.2E+02	n	3.3E+03	n		5.8E+01	n	2.0E-01	n	2.0E+01	n	6.3E+01	n	2.1E+02	n	
Propane, 1-bromo-	106-94-5	2.9E+03	n	3.4E+00	n	3.4E+02	n						2.9E+03	n	1.7E+00	n	1.7E+02	n					
Propanil	709-98-8	3.3E+02	n	4.7E+00	n	4.7E+02	n						3.3E+02	n	2.3E+00	n	2.3E+02	n					
Propanoic acid (propionic acid)	79-09-4	4.1E+04	n	2.3E+01	n	2.3E+03	n						4.1E+04	n	1.2E+01	n	1.2E+03	n					
Propanol, 1-	71-23-8	1.6E+04	n	1.0E+01	n	1.0E+03	n						1.6E+04	n	5.0E+00	n	5.0E+02	n					
Propargite	2312-35-8	1.3E+03	n	1.1E+02	n	1.1E+04	n >S						1.3E+03	n	5.5E+01	n	5.5E+03	n >S					
Propargyl alcohol	107-19-7	1.6E+02	n	1.0E-01	n	1.0E+01	n						1.6E+02	n	5.2E-02	n	5.2E+00	n					
Propazine	139-40-2	1.1E+02	c	9.5E-01	c	9.5E+01	c						1.1E+02	c	4.7E-01	c	4.7E+01	c					
Propham	122-42-9	1.3E+03	n	1.9E+00	n	1.9E+02	n						1.3E+03	n	9.7E-01	n	9.7E+01	n					
Propionitrile (propane nitrile)	107-12-0	3.3E+01	n	1.9E-02	n	1.9E+00	n						3.3E+01	n	9.7E-03	n	9.7E-01	n					
Propyl acetate, n-	109-60-4	7.4E+03	n	5.3E+00	n	5.3E+02	n						7.4E+03	n	2.7E+00	n	2.7E+02	n					
Propylbenzene, n-	103-65-1	2.2E+03	n	4.5E+01	n	4.5E+03	n >S	6.3E+03	n	2.8E+05	n >S		1.6E+03	n	2.2E+01	n	2.2E+03	n >S	3.3E+03	n	1.8E+04	n >S	
Propylene glycol	57-55-6	3.7E+02	n	9.4E+02	n	9.4E+04	n	3.7E+02	n	9.6E+04	n		1.9E+02	n	4.7E+02	n	4.7E+04	n	1.9E+02	n	6.2E+03	n	
Propylene glycol monomethyl ether	107-98-2	4.6E+04	n	3.3E+01	n	3.3E+03	n	2.3E+05	n	1.0E+06	n >S		3.9E+04	n	1.7E+01	n	1.7E+03	n	1.2E+05	n	1.0E+06	n >S	
Propylene oxide	75-56-9	2.0E+01	c	7.5E-03	c	7.5E-01	c	9.7E+01	c	3.1E+03	c		1.7E+01	c	3.8E-03	c	3.8E-01	c	5.0E+01	c	2.0E+02	c	
Propylene tetramer	6842-15-5	4.6E+03	n	2.5E+04	n >S	1.0E+06	n >S	1.5E+04	n	4.6E+05	n >S		3.6E+03	n	1.3E+04	n >S	1.0E+06	n >S	7.9E+03	n	2.9E+04	n >S	
Prothiofos (Tokuthion)	34643-46-4	6.6E+00	n	2.4E+03	n	2.4E+05	n >S						6.6E+00	n	1.2E+03	n	1.2E+05	n >S					
Pyrene	129-00-0	1.7E+03	n	1.1E+03	n >S	1.1E+05	n >S						1.7E+03	n	5.6E+02	n >S	5.6E+04	n >S					
Pyridine	110-86-1	8.2E+01	n	6.9E-02	n	6.9E+00	n						8.2E+01	n	3.5E-02	n	3.5E+00	n					
Quinoline	91-22-5	1.6E+00	c	7.5E-03	c	7.5E-01	c						1.6E+00	c	3.8E-03	c	3.8E-01	c					
Ronnel	299-84-3	2.3E+03	n	4.2E+02	n	4.2E+04	n >S						2.3E+03	n	2.1E+02	n	2.1E+04	n >S					
Safrole	94-59-7	1.6E+01	c	1.6E-01	c	1.6E+01	c	6.7E+01	c	7.5E+03	c >S		1.3E+01	c	8.2E-02	c	8.2E+00	c	3.4E+01	c	4.8E+02	c	
Selenium	7782-49-2	3.1E+02	n	2.3E+00	m >S	2.3E+02	m >S						3.1E+02	n	1.1E+00	m >S	1.1E+02	m >S					
Selenourea	630-10-4	4.1E+02	n		n		n						4.1E+02	n		n		n					
Silver	7440-22-4	9.7E+01	n	4.8E-01	n >S	4.8E+01	n >S					3.9E-01	9.7E+01	n	2.4E-01	n >S	2.4E+01	n >S					2.0E-01
Simazine	122-34-9	3.9E+01	c	5.5E-02	m	5.5E+00	m						3.9E+01	c	2.8E-02	m	2.8E+00	m					
Sodium*	7440-23-5																						
Sodium diethyldithiocarbamate	148-18-5	2.2E+01	c		c		c						2.2E+01	c		c		c					
Sodium hypochlorite	7681-52-9	1.5E+04	n		n		n						1.4E+04	n		n		n					